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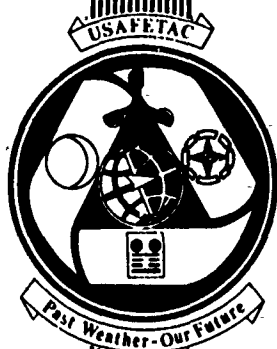
# **SURFACE OBSERVATION CLIMATIC SUMMARIES FOR SHAW AFB, SC**

Prepared by

OL-A, USAFETAC  
ASHEVILLE, NORTH CAROLINA  
28801-2723

OCTOBER 1989

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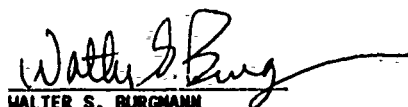
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# REPORT DOCUMENTATION PAGE

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11. SUPPLEMENTARY NOTES: EFFECTIVE JULY 1 1988, THIS PRODUCT REPLACED TWO USAFETAC DOCUMENTS FORMERLY KNOWN AS THE REVISED UNIFORM SUMMARY OF SURFACE OBSERVATIONS (RUSSWO) AND THE LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY (LISOCs). EXISTING RUSSWOS AND LISOCs WILL CONTINUE IN USE, BUT WILL EVENTUALLY BE BY A SOCS.
- 12A. DISTRIBUTION/AVAILABILITY STATEMENT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.
13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
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## PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.



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## INTRODUCTION

### STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: APR 79 - MAR 89 (AIRWAYS).

SUMMARY OF DAY DATA: JAN 42 - MAR 89 (FULL TIME).

HOURS SUMMARIZED: 0000 LST THROUGH 2300 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/ OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

### TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

**PRECIPITATION:** A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

**STANDARD DEVIATION:** A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

**TIME CONVENTIONS:** ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

**ABBREVIATIONS USED:**

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAH	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

**SUMMARY DESCRIPTION:** A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

\* UTC REPLACED GMT ON 1 AUGUST 1988

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FLD ELEV (FT)	CALL SIGN	WMO NMBR
747900	SHAW AFB, SC	N 33 58	W 080 28	241	SSC	74790

# STATION LOCATION AND INSTRUMENTATION HISTORY

Nbr of Loc	GEOGRAPHICAL LOCATION & NAME	Type of Station	At This Location		LATITUDE	LONGITUDE	Elev Above MSL		OBS PER DAY
			From	To			FLD (FT)	BARO (FT)	
1	Sunter Field, SC	AAF	Dec 41	May 48	N 33 58	W 080 29	236	250	24
2	Shaw AFB, SC	AFB	Jun 48	Feb 55	Same	Same	Same	Same	24
3	Same	Same	Mar 55	Mar 55	Same	Same	242	Same	24
4	Same	Same	Apr 55	Feb 57	Same	Same	253	Same	24
5	Same	Same	Mar 57	Jul 60	Same	Same	252	Same	24
6	Same	Same	Aug 60	Feb 63	Same	Same	Same	291	24
7	Same	Same	Mar 63	Jun 72	Same	Same	Same	242	24
8	Same	Same	Jul 72	Apr 73	Same	Same	Same	Same	18
9	Same *	Same	May 73	Jan 74	Same	W 080 28	241	252	18
10	Same	Same	Feb 74	Jan 88	Same	Same	Same	Same	24

\*Base wea stn relocation  
May 1973

Nbr of Loc	Date of Change	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIP- MENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Dec 41	Not available	Selsyn	ML-144	N/A	
2	Jun 48	Atop weather station	Same	Same	49 ft	
3	Apr 59	500' fm ctrln, 3000' fm TD rwy 04	AN/GHQ-11	RO-2	14 ft	
4	Mar 64	900' fm ctrln, 2700' fm end 04	Same	Same	13 ft	
5	Oct 70	1.500' SE ctrln, 582' fm end of rwy 04	AN/GHQ-20	RO-362	13 ft	
		2.500' SE ctrln, 859' fm end of rwy 22	Same		13 ft	
6	Jan 88	1. Same	Same	Same	Same	
		2. Same	Same		Same	

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**PART A**

**ATMOSPHERIC PHENOMENA SUMMARIES**

**THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:**

**THUNDERSTORMS:** ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

**LIQUID PRECIPITATION:** RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

**FREEZING PRECIPITATION:** FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

**FROZEN PRECIPITATION:** SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

**HAIL:** ALL OCCURRENCES OF HAIL.

**ALL PRECIPITATION:** INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

**FOG:** INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

**SMOKE AND/OR HAZE:** SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

**BLOWING SNOW:** ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

**DUST AND/OR SAND:** DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

**BLOWING SPRAY:** THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

**ALL OBSTRUCTIONS TO VISION:** THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

**SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.**

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

**SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).**

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

**THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.**

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

**SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.**

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		14.2	.2	.8		15.2	21.6	.5			37.3	930
03-05		15.9	.6	.5		17.1	25.1	.4			42.6	930
06-08	.3	15.3	1.3	.3		16.9	29.7	3.8			50.3	930
09-11	.1	13.9	1.2	.5		15.6	27.7	11.6			54.9	930
12-14		12.7	.3	.6		13.7	20.1	6.8			40.5	930
15-17		10.5		.6		11.2	18.9	6.2			36.3	930
18-20		11.1		1.2		12.3	17.4	2.8			32.5	930
21-23		10.1	.2	1.1		11.4	17.1	1.0			29.5	930
ALL HOURS	.1	13.0	.5	.7		14.2	22.2	4.1			40.5	7440

MONTH: FEB

00-02	.2	12.5	.5	.7		13.7	18.6	1.1	.4		33.7	849
03-05		11.3		.8		12.1	21.8	.8	.1		34.9	849
06-08	.2	14.4	.4	1.2		15.9	32.3	3.8			51.9	849
09-11	.4	12.8	.6	1.5		15.0	24.1	11.8			50.9	849
12-14	.2	11.9	.1	1.2		13.2	14.0	6.5			33.7	849
15-17		9.5	.1	1.1		10.7	12.4	3.5		.1	26.7	849
18-20	.1	10.7	.4	.7		11.8	14.8	2.9			29.6	849
21-23	.2	12.8	.6	.6		14.0	15.8	1.1	.2		31.1	849
ALL HOURS	.2	12.0	.3	1.0		13.3	19.2	3.9	.1	.0	36.6	6792

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.2	10.3	.5	.1		11.0	16.7	2.9			30.5	930
03-05	1.0	11.3	.4	.3		12.0	21.9	2.4			36.3	930
06-08	1.3	12.6	.3	.6		13.5	31.6	9.8			54.9	930
09-11	.1	11.3	.3	.9		12.5	19.8	14.4		.1	46.8	930
12-14	.1	8.8		.6		9.5	10.8	8.2			28.4	930
15-17	.5	8.0		.6		8.6	7.8	6.5		.1	23.0	930
18-20	.4	8.4	.2	.8		9.4	9.6	6.6			25.5	928
21-23	.5	8.1	.2	.5		8.8	11.2	2.7	.1		22.9	927
ALL HOURS	.5	9.8	.3	.6		10.7	16.2	6.7	.0	.0	33.6	7435

MONTH: APR

00-02	1.0	5.1				5.1	9.8	.8			15.7	900
03-05	.4	5.6				5.6	15.6	.8			21.9	900
06-08	.7	6.0				6.0	28.2	10.6			44.8	900
09-11	.3	6.2				6.2	8.9	9.1			24.2	900
12-14	.3	5.4				5.4	5.9	5.0			16.3	900
15-17	1.8	9.1				9.1	4.9	3.8		.1	17.9	900
18-20	2.1	9.3				9.3	6.7	3.7		.1	19.8	900
21-23	.7	4.3				4.3	7.2	.9			12.4	900
ALL HOURS	.9	6.4				6.4	10.9	4.3		.0	21.6	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIR	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSM	TOTAL NO. OF OBS
00-02	1.1	3.5				3.5	10.6	1.7			15.9	930
03-05	.1	3.8				3.8	24.6	3.8			32.2	930
06-08	.4	3.7				3.7	41.8	19.2			64.7	930
09-11	.3	3.5				3.5	7.8	16.9			28.3	930
12-14	2.0	5.4				5.4	3.1	8.5			17.0	930
15-17	4.6	7.6				7.6	2.6	7.7		.1	18.1	930
18-20	4.5	7.4				7.4	4.2	7.0			18.6	930
21-23	3.3	7.2				7.2	5.9	2.6			15.7	930
ALL HOURS	2.1	5.3				5.3	12.6	8.4		.0	26.3	7440

MONTH: JUN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIR	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSM	TOTAL NO. OF OBS
00-02	1.1	4.1				4.1	13.2	11.7			29.0	900
03-05	.7	2.8				2.8	31.2	12.7			46.7	900
06-08	.2	4.0				4.0	42.1	32.3		.1	78.6	900
09-11	.1	2.1				2.1	8.0	38.0			48.1	900
12-14	2.0	4.0				4.0	2.4	28.9			35.3	900
15-17	4.2	8.0				8.0	2.6	28.7		.1	39.3	900
18-20	4.4	7.7				7.7	5.6	24.4		.1	37.8	900
21-23	2.6	7.1				7.1	6.4	12.4			26.0	900
ALL HOURS	1.9	5.0				5.0	13.9	23.6		.0	42.6	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	1.6	4.9				4.9	15.1	17.8			37.8	930
03-05	.8	3.5				3.5	31.9	21.0			56.5	930
06-08	.4	3.1				3.1	47.3	38.5			88.9	930
09-11	.3	3.2				3.2	8.6	44.6			56.5	930
12-14	3.5	4.8				4.8	2.3	39.2			46.3	930
15-17	9.5	8.3				8.3	2.5	38.4			49.1	930
18-20	7.7	9.9				9.9	5.3	33.5			48.7	930
21-23	5.3	8.7				8.7	9.2	21.6			39.6	930
ALL HOURS	3.6	5.8				5.8	15.3	31.8			52.9	7440

MONTH: AUG

00-02	.9	4.4				4.4	23.9	20.0			48.3	930
03-05	.6	3.0				3.0	41.9	19.4			64.3	930
06-08	1.0	4.2				4.2	60.9	33.2			98.3	930
09-11	.1	3.7				3.7	12.8	46.9			63.3	930
12-14	3.0	5.6				5.6	3.3	36.2			45.2	930
15-17	6.6	8.8				8.8	4.7	35.8		.1	49.5	930
18-20	5.1	8.2				8.2	8.6	31.7		.1	48.6	930
21-23	4.7	7.5				7.5	12.2	20.6			40.3	930
ALL HOURS	2.7	5.7				5.7	21.0	30.5		.0	57.2	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.7	7.0				7.0	22.6	6.1			35.7	900
03-05	.1	7.4				7.4	35.3	6.2			49.0	900
06-08	.1	9.1				9.1	57.8	20.0			86.9	900
09-11	.1	8.2				8.2	19.2	31.4			58.9	900
12-14	.3	7.7				7.7	6.3	21.0			35.0	900
15-17	2.4	8.9				8.9	6.3	17.3			32.6	900
18-20	2.4	9.3				9.3	8.6	13.4			31.3	900
21-23	1.1	7.6				7.6	11.6	8.6			27.7	900
ALL HOURS	.9	8.2				8.2	21.0	15.5			44.6	7200

MONTH: OCT

00-02	.6	6.0				6.0	16.6	1.3			23.9	930
03-05	.4	6.9				6.9	26.8	1.3			34.9	930
06-08		8.0				8.0	41.6	10.3			59.9	930
09-11		7.1				7.1	19.1	17.1		.1	43.4	930
12-14	.3	6.6				6.6	6.3	7.1			20.0	930
15-17		6.5				6.5	7.0	5.5			18.9	930
18-20	1.3	7.5				7.5	6.8	3.9			18.2	930
21-23	.5	5.5				5.5	8.8	1.9			16.2	930
ALL HOURS	.4	6.7				6.7	16.6	6.0		.0	29.4	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		8.7				8.7	19.9	1.7			30.2	900
03-05	.2	7.8				7.8	25.6	1.4			34.8	900
06-08	.7	11.0				11.0	38.9	8.0			57.9	900
09-11	.3	8.9				8.9	25.1	16.7			50.7	900
12-14	.1	9.2				9.2	9.8	6.8		.2	26.0	900
15-17	.1	8.2				8.2	8.4	5.0			21.7	900
18-20	.4	7.9				7.9	12.0	3.8			23.7	900
21-23	.2	7.6				7.6	14.6	2.0			24.1	900
ALL HOURS	.3	8.7				8.7	19.3	5.7		.0	33.6	7200

MONTH: DEC

00-02	.1	9.8		.3		10.1	16.2	.2			26.6	930
03-05		10.9		.3		11.2	21.7	.3			33.2	930
06-08		10.3		.6		11.0	29.1	3.5			43.7	930
09-11	.1	11.6		.3		11.9	24.5	11.7			48.2	930
12-14		9.7		.2		9.9	13.3	4.2			27.4	930
15-17		9.4		.1		9.5	10.4	2.6			22.5	930
18-20		9.2		.1		9.4	11.7	1.5			22.6	930
21-23	.2	10.1		.1		10.2	12.4	.6			23.2	930
ALL HOURS	.1	10.1		.3		10.4	17.4	3.1			30.9	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSM	TOTAL NO. OF OBS
JAN	.1	13.0	.5	.7		14.2	22.2	4.1			40.5	7440
FEB	.2	12.0	.3	1.0		13.3	19.2	3.9	.1	.0	36.6	6792
MAR	.5	9.8	.3	.6		10.7	16.2	6.7	.0	.0	33.6	7435
APR	.9	6.4				6.4	10.9	4.3		.0	21.6	7200
MAY	2.1	5.3				5.3	12.6	8.4		.0	26.3	7440
JUN	1.9	5.0				5.0	13.9	23.6		.0	42.6	7200
JUL	3.6	5.8				5.8	15.3	31.8			52.9	7440
AUG	2.7	5.7				5.7	21.0	30.5		.0	57.2	7440
SEP	.9	8.2				8.2	21.0	15.5			44.6	7200
OCT	.4	6.7				6.7	16.6	6.0		.0	29.4	7440
NOV	.3	8.7				8.7	19.3	5.7		.0	33.6	7200
DEC	.1	10.1		.3		10.4	17.4	3.1			30.9	7440
ANNUAL	1.1	8.0	.1	.2		8.3	17.1	12.0	.0	.0	37.5	87667

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4901-8903  
MONTH: ALL HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OOST TO VSN	TOTAL NO. OF OBS
JAN	1.4	41.7	2.8	4.9		43.0	44.7	30.1			61.9	1271
FEB	4.0	41.2	1.2	4.2	.3	42.5	43.3	31.7	.3		61.7	1158
MAR	7.7	42.9	.7	1.6	.5	43.0	45.1	32.2	.1	.2	62.9	1271
APR	12.1	36.9		.1	.5	36.9	41.4	26.2			57.5	1200
MAY	21.0	41.2			.6	41.2	51.0	38.4			69.4	1240
JUN	27.0	43.8			.5	43.8	56.0	47.5		.1	75.9	1200
JUL	38.5	51.4			.4	51.4	57.9	48.1			82.9	1240
AUG	28.9	45.0			.4	45.0	68.7	57.9			86.8	1239
SEP	11.9	37.1				37.1	66.0	48.6			79.1	1199
OCT	3.8	29.3		.1		29.3	50.1	39.4			63.0	1240
NOV	2.7	33.7		.3		33.7	46.5	34.1			60.8	1200
DEC	1.5	37.7	.7	2.3		38.5	42.8	27.9			59.6	1240
ANNUAL	13.4	40.2	.5	1.1	.3	40.5	51.1	38.5	.0	.0	68.5	14698



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02		.2	.2	1.0	1.1	1.1	1.6	.9	.7	.6		.1
03-05			1.0	.4	.1	.7	.8	.6	.1	.4	.2	
06-08	.3	.2	1.3	.7	.4	.2	.4	1.0	.1		.7	
09-11	.1	.4	.1	.3	.3	.1	.3	.1	.1		.3	.1
12-14		.2	.1	.3	2.0	2.0	3.5	3.0	.3	.3	.1	
15-17			.5	1.8	4.6	4.2	9.5	6.6	2.4		.1	
18-20		.1	.4	2.1	4.5	4.4	7.7	5.1	2.4	1.3	.4	
21-23		.2	.5	.7	3.3	2.6	5.3	4.7	1.1	.5	.2	.2
ALL HOURS	.1	.2	.5	.9	2.1	1.9	3.6	2.7	.9	.4	.3	.1
TOTAL OBS	7440	6792	7435	7200	7440	7200	7440	7440	7200	7440	7200	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 049	050 - 109	110 - 179	180 - 269	270 - 359	NO OF OBS
TSTMS			50.0	25.0		25.0		4
LIQUID PRECIP	11.5		34.9	19.7	4.0	14.8	15.2	995
FREEZING PRECIP	11.1		36.1	47.2			5.6	36
FROZEN PRECIP			41.0	32.8		11.5	14.8	61
FOG	18.6		30.6	16.3	2.6	16.0	15.9	1636
FOG WITH VIS GE 1/2 MILES	16.4		31.9	15.9	2.5	17.1	16.3	1494
TOTAL OBS	1518	0	1719	862	205	1626	1510	7440

MONTH: FEB HOURS: ALL

TSTMS	8.3		16.7		8.3	16.7	50.0	12
LIQUID PRECIP	6.5		32.3	27.0	8.2	15.8	10.1	814
FREEZING PRECIP			54.5	40.9			4.5	22
FROZEN PRECIP	8.7		15.9	5.8	1.4	15.9	52.2	69
FOG	16.5		27.0	21.9	5.4	15.8	13.4	1288
FOG WITH VIS GE 1/2 MILES	14.2		27.9	22.1	5.3	16.2	14.4	1194
TOTAL OBS	1196	0	1364	988	404	1450	1390	6792

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 049	050 - 109	110 - 179	180 - 269	270 - 359	NO OF OBS
TSTMS	7.7		7.7	2.6	25.6	30.8	25.6	39
LIQUID PRECIP	4.2		28.5	26.4	11.6	14.5	14.8	716
FREEZING PRECIP			100.0					19
FROZEN PRECIP			68.8	6.3			25.0	48
FOG	18.5		26.0	19.1	9.6	15.3	11.5	1173
FOG WITH VIS GE 1/2 MILES	16.8		27.0	19.0	10.0	15.5	11.8	1113
TOTAL OBS	1254	0	1272	920	649	1878	1462	7435

MONTH: APR HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 049	050 - 109	110 - 179	180 - 269	270 - 359	NO OF OBS
TSTMS	7.5		6.0	9.0	16.4	28.4	32.8	67
LIQUID PRECIP	4.5		14.6	18.4	21.0	26.7	14.8	419
FREEZING PRECIP								
FROZEN PRECIP								
FOG	20.2		11.3	20.6	19.7	19.0	9.2	772
FOG WITH VIS GE 1/2 MILES	20.0		11.5	19.9	20.0	19.2	9.4	745
TOTAL OBS	1081	0	732	671	757	2160	1799	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 049	050 - 109	110 - 179	180 - 269	270 - 359	NO OF OBS
TSTMS	3.2		9.1	13.6	17.5	40.9	15.6	154
LIQUID PRECIP	5.5		16.0	19.8	14.0	34.5	10.2	293
FREEZING PRECIP								
FROZEN PRECIP								
FOG	27.4		11.2	18.5	9.8	25.5	7.6	920
FOG WITH VIS GE 1/2 MILES	26.1		11.5	18.8	10.1	25.8	7.7	880
TOTAL OBS	1331	0	837	849	747	2544	1132	7440

MONTH: JUN HOURS: ALL

TSTMS	4.3		8.7	16.7	17.4	33.3	19.6	138
LIQUID PRECIP	6.8		15.8	14.3	12.1	35.8	15.1	265
FREEZING PRECIP								
FROZEN PRECIP								
FOG	24.1		11.7	14.4	11.1	29.2	9.5	949
FOG WITH VIS GE 1/2 MILES	24.0		11.9	14.4	10.6	29.6	9.6	926
TOTAL OBS	1254	0	741	963	781	2430	1031	7200

OPERATING LOCATION "A"  
USAFETYAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 049	050 - 109	110 - 179	180 - 269	270 - 359	NO OF OBS
TSTMS	9.2		9.6	9.2	19.6	34.3	18.1	271
LIQUID PRECIP	11.5		13.9	21.9	10.8	30.9	11.1	288
FREEZING PRECIP								
FROZEN PRECIP								
FOG	34.7		12.6	14.2	5.3	25.2	7.9	1071
FOG WITH VIS GE 1/2 MILES	33.8		12.7	14.3	5.5	25.7	8.0	1040
TOTAL OBS	1543	0	629	895	737	2696	940	7440

MONTH: AUG HOURS: ALL

TSTMS	5.9		9.3	12.3	19.1	34.3	19.1	204
LIQUID PRECIP	11.1		25.7	21.8	10.7	23.5	7.2	307
FREEZING PRECIP								
FROZEN PRECIP								
FOG	34.0		14.9	17.6	6.2	20.7	6.6	1460
FOG WITH VIS GE 1/2 MILES	32.9		15.3	17.5	6.2	21.1	6.9	1415
TOTAL OBS	1705	0	986	1173	657	2162	757	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 049	050 - 109	110 - 179	180 - 269	270 - 359	NO OF OBS
TSTMS	12.1		25.8	13.6	13.6	22.7	12.1	66
LIQUID PRECIP	7.8		32.7	33.1	7.6	11.8	6.9	550
FREEZING PRECIP								
FROZEN PRECIP								
FOG	28.9		23.8	25.1	4.3	12.9	5.0	1449
FOG WITH VIS GE 1/2 MILES	27.6		24.5	25.1	4.4	13.2	5.2	1397
TOTAL OBS	1676	0	1658	1478	417	1257	714	7200

MONTH: OCT HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 049	050 - 109	110 - 179	180 - 269	270 - 359	NO OF OBS
TSTMS	10.0		10.0	16.7	13.3	43.3	6.7	30
LIQUID PRECIP	4.8		41.5	31.5	4.6	8.6	9.0	501
FREEZING PRECIP								
FROZEN PRECIP								
FOG	25.3		30.5	20.8	4.2	11.5	7.6	1208
FOG WITH VIS GE 1/2 MILES	23.5		31.7	20.6	4.3	11.9	8.0	1129
TOTAL OBS	1920	0	1893	1226	321	1160	920	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 049	050 - 109	110 - 179	180 - 269	270 - 359	NO OF OBS
TSTMS	21.1		10.5	5.3	31.6	26.3	5.3	19
LIQUID PRECIP	9.4		31.8	22.4	9.4	13.0	14.1	617
FREEZING PRECIP								
FROZEN PRECIP								
FOG	23.5		21.7	17.4	8.0	14.5	14.9	1366
FOG WITH VIS GE 1/2 MILES	21.2		22.4	17.7	8.0	14.8	15.9	1261
TOTAL OBS	1854	0	1500	968	417	1285	1176	7200

MONTH: DEC HOURS: ALL

TSTMS	25.0					50.0	25.0	4
LIQUID PRECIP	13.9		30.4	20.8	4.8	18.7	11.3	749
FREEZING PRECIP								
FROZEN PRECIP	8.7		69.6	21.7				23
FOG	30.9		17.6	14.8	5.5	17.3	14.0	1275
FOG WITH VIS GE 1/2 MILES	27.9		19.2	14.5	5.7	18.0	14.8	1132
TOTAL OBS	1899	0	1551	690	248	1637	1415	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA  
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTHS: ALL

PHENOMENA	CALM	VARIABLE	360	049	050	109	110 - 179	180 - 269	270 - 359	NO OF OBS
TSTMS	7.2		10.3		11.6		18.3	33.8	18.8	1008
LIQUID PRECIP	8.4		29.1		23.7		8.8	18.1	12.0	6514
FREEZING PRECIP	5.2		57.1		33.8				3.9	77
FROZEN PRECIP	4.0		42.3		15.9		.5	9.0	28.4	201
FOG	25.3		20.9		18.5		6.9	18.0	10.5	14567
FOG WITH VIS GE 1/2 MILES	23.7		21.5		18.4		7.0	18.5	10.8	13726
TOTAL OBS	18231	0	14882		11683		6340	22285	14246	87667



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## PART B

### PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

#### PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

#### MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

#### DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (\*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND ".0" MEANS NO SNOW DEPTH FOR THE MONTH.

#### SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN PER.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE		NAVY AND NATIONAL WEATHER SERVICE	
THROUGH 1945:	0800 LST	THROUGH JUN 1952:	0030 GMT
JAN 1946 TO MAY 1957:	1230 LST	JUN 1952 TO MAY 1957:	1230 GMT
JUN 1957 TO PRESENT:	1200 GMT	JUN 1957 TO PRESENT:	1200 GMT

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4201-8903  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
NONE	56.5	56.7	56.7	62.6	58.1	55.5	46.6	53.3	62.1	71.2	64.9	60.2
TRACE	11.5	10.8	10.3	11.1	12.6	13.5	14.5	13.7	12.3	9.8	11.8	11.0
.01	2.4	2.0	2.3	1.8	1.9	1.8	2.1	1.8	2.4	1.9	2.0	2.0
.02-.05	6.4	5.7	4.4	4.5	5.4	4.1	6.7	5.1	4.8	3.4	3.8	5.6
.06-.10	3.9	3.5	3.4	2.7	3.5	3.9	3.5	3.4	2.7	2.5	2.9	3.0
.11-.25	6.4	6.6	7.4	5.0	6.0	5.3	7.8	6.3	4.5	3.5	4.3	5.0
.26-.50	5.5	6.0	6.6	4.5	4.9	5.7	6.5	6.2	4.0	2.5	5.0	5.6
.51-1.00	5.0	5.2	5.2	5.1	5.0	5.8	7.3	5.6	3.5	2.7	2.7	5.3
1.01-2.50	2.5	3.3	3.3	2.4	2.3	3.5	4.3	4.0	3.0	2.0	2.5	2.2
2.51-5.00	.1	.1	.3	.2	.4	.6	.4	.5	.6	.4	.1	.1
5.01-10.00			.1			.2			.1			
10.01-20.00												
OVER 20.00												
DAYS WITH MEAS AMTS	32.1	32.5	33.0	26.3	29.4	31.0	38.9	33.0	25.6	19.0	23.3	28.8
TOTAL NO. OF OBSERVATIONS	1488	1356	1453	1410	1457	1410	1456	1457	1410	1457	1410	1457

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4201-8903

MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42	2.96	2.88	6.64*	2.70	7.54	4.61	9.35	5.53	1.72	.57	.99	2.97	48.46*
43	3.70	1.23	5.60	4.58	1.80	5.49	8.42	4.88	3.63	.08	2.26	4.90	46.57
44	3.42	4.02		6.49	.93	1.17	5.67	2.33	3.29	3.49	1.62	1.07	33.50*
45	2.11	2.48	1.71	2.18	2.23	3.25	3.87	4.94	14.84	2.00	1.00	7.38	47.99
46	1.56	2.92	2.57	2.48	3.34	1.15	5.74	8.60	.84	4.63	2.59	.90	37.32
47	3.29	.32	5.14	6.58	1.82	5.13	3.30	3.93	3.14	3.58	7.84	4.23	48.30
48	3.37	4.74	6.04	1.25	3.46	3.97	3.08	4.79	5.76	5.21	7.55	3.78	53.00
49	.72	6.35	1.25	5.58	4.99	3.60	1.85	10.25	3.67	3.45	2.19	1.33	45.23
50	1.92	1.02	4.08	2.34	2.48	3.01	5.70	2.13	4.45	1.41	.80	4.50	33.84
51	.75	1.18	4.96	2.33	.40	2.22	6.65	2.34	4.32	.23	1.99	3.15	30.52
52	2.41	3.39	6.40	3.58	4.24	4.37	4.44	14.50	2.56	.49	1.44	2.62	50.44
53	2.74	5.79	3.51	3.36	2.58	2.14	1.85	2.89	6.56	.09	.78	6.46	38.75
54	1.70	.55	2.92	1.52	2.35	6.76	.69	4.48	.33	3.16	.98	2.27	27.71
55	6.60	1.97	1.67	3.11	2.79	5.29	6.31	2.48	2.87	2.52	1.67	.27	37.55
56	1.42	5.89	3.02	2.98	.85	3.68	1.94	4.11	4.22	6.58	.63	2.10	37.42
57	1.42	1.39	4.15	1.00	5.17	5.54	3.76	7.01	4.30	1.43	5.98	2.50	43.65
58	4.63	3.86	6.21	10.08	5.07	7.65	8.03	3.31	1.06	2.57	.33	3.40	56.20
59	2.70	5.18	5.26	2.36	4.97	3.28	13.35	3.08	6.62	9.11	1.48	3.09	60.48
60	5.30	5.84	3.67	4.87	1.05	3.74	7.52	2.65	4.36	2.63	1.95	2.24	45.82
61	1.27	5.64	5.29	5.80	4.19	8.90	9.07	8.52	.99	.70	1.44	2.19	54.00
62	3.82	4.36	4.29	2.91	1.60	5.87	3.53	4.67	3.40	.85	4.88	2.51	42.64
63	5.55	2.92	3.15	2.75	1.49	4.52	5.26	1.17	5.52	.11	5.27	3.55	41.26
64	7.37	5.77	4.38	2.43	2.47	4.58	11.98	5.44	4.74	8.75	.88	3.86	62.65
65	1.28	5.48	8.16	2.93	2.96	11.70	6.76	5.37	2.19	2.23	2.27	.70	52.03
66	6.94	4.09	3.87	3.32	9.63	2.90	5.03	9.46	2.34	1.34	.83	3.44	53.19
67	2.98	3.40	1.66	2.27	6.32	2.80	5.99	7.48	1.81	.81	2.88	4.02	42.42
68	3.96	1.76	1.73	4.07	2.40	5.94	3.39	3.43	.51	5.42	3.94	2.61	39.16
69	2.08	4.97	3.83	3.49	5.46	5.25	5.38	3.17	1.96	1.07	1.32	2.93	40.91
70	2.51	2.48	8.21	.35	2.29	6.02	1.43	4.13	3.00	3.78	1.59	4.17	39.96
71	3.51	3.29	12.73	3.48	2.98	6.03	4.58	3.72	1.77	6.51	2.47	2.09	53.16
72	7.14	3.09	3.38	.78	6.19	7.04	6.07	5.67	4.51	1.20	5.36	4.64	55.07
73	3.17	6.52	6.39	3.75	3.93	17.83	4.63	2.30	3.54	1.12	.43	5.71	59.32
74	5.39	4.05	3.00	2.83	2.73	1.50	6.86	7.46	6.34	.03	2.95	4.84	47.98
75	5.36	5.76	3.78	4.83	9.56	7.33	10.88	1.51	4.78	1.03	2.18	4.68	61.68

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4201-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	3.60	.88	3.55	.92	5.74	9.98	6.43	1.95	4.58	3.29	4.17	5.14	50.23
77	2.41	2.30	3.83	1.72	1.69	4.34	2.97	5.49	1.81	1.52	1.64	5.23	34.95
78	5.94	1.40	2.29	4.71	2.72	2.65	2.90	3.05	2.21	.10	3.25	2.21	33.43
79	4.72	6.17	2.41	4.95	5.82	4.11	11.17	3.92	7.68	.57	4.60	1.45	57.57
80	4.55	1.90	9.05	1.69	2.26	2.81	.66	4.25	6.12	1.52	1.65	1.78	38.24
81	.65	2.72	2.87	2.00	3.24	2.82	6.26	5.43	.31	1.70	1.16	6.80	35.96
82	3.44	5.41	1.24	4.77	1.89	5.82	7.72	.74	3.05	2.15	1.60	3.58	41.41
83	3.32	5.64	7.59	6.08	.69	3.78	2.86	2.45	4.81	1.61	2.73	6.87	48.43
84	3.33	4.19	4.38	4.20	10.64	3.45	9.74	2.12	.96	2.20	.82	1.55	47.58
85	4.15	5.13	.53	.51	3.13	5.51	5.92	11.19	.34	7.44	8.09	.86	52.80
86	.93	1.71	2.93	.40	2.81	2.32	2.78	4.75	.53	3.70	4.88	2.03	29.77
87	6.70	4.56	4.91	1.43	.97	5.15	2.13	2.42	6.62	1.37	3.41	1.75	41.42
88	3.59	1.77	2.10	3.50	5.68	2.73	3.87	5.67	6.24	3.37	1.39	.79	40.70
89	1.42	2.86	4.92										9.20*

LEAST	.65	.32	.53	.35	.40	1.15	.66	.74	.31	.03	.33	.27	27.71
GREATEST	7.37	6.52	12.73	10.08	10.64	17.83	13.35	14.50	14.84	9.11	8.09	7.38	62.65
MEAN	3.41	3.57	4.23	3.24	3.61	4.89	5.48	4.70	3.64	2.52	2.60	3.21	45.30
MEDIAN	3.33	3.40	3.83	2.93	2.81	4.37	5.38	4.13	3.40	1.70	1.95	2.97	45.23
SD	1.824	1.794	2.332	1.915	2.386	2.914	2.999	2.798	2.599	2.282	1.988	1.762	8.916
TOTAL OBS	1488	1356	1453	1410	1457	1410	1456	1457	1410	1457	1410	1457	17221

THE GREATEST VALUE OF 17.83 OCCURRED ON 06/73

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4201-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42	.86	.79	2.16*	1.72	4.13	1.52	2.35	.97	.51	.30	.52	.76	4.13*
43	.93	.77	1.60	1.30	1.19	1.50	2.18	1.73	1.58	.07	.88	2.81	2.81
44	1.04	1.16		2.43	.46	.92	1.27	1.11	.80	2.45	1.11	.40	2.45*
45	.90	.50	.91	1.06	.56	1.30	1.42	1.93	6.55	1.35	.85	1.43	6.55
46	.95	1.50	.83	1.01	.79	.60	1.88	2.50	.33	3.28	.96	.87	3.28
47	1.15	.20	1.31	2.73	.74	1.75	.84	2.23	2.31	1.56	2.31	1.35	2.73
48	1.05	1.74	1.48	.85	.98	2.04	1.19	1.25	2.77	3.06	1.70	.62	3.06
49	.44	1.19	.38	1.10	2.57	.98	.45	2.85	1.19	.94	.67	.75	2.85
50	.70	.35	1.30	.90	1.06	.97	1.85	.65	1.51	.78	.33	1.38	1.85
51	.25	.48	1.71	.86	.34	.60	1.51	.79	1.60	.09	.80	.83	1.71
52	1.29	1.18	1.43	.81	1.71	1.68	1.85	3.29	.95	.31	.61	.83	3.29
53	1.39	1.26	1.37	2.02	1.70	.57	1.34	1.75	3.04	.09	.37	2.13	3.04
54	.70	.34	.69	1.02	1.38	6.30	.27	2.03	.19	2.77	.36	1.31	6.30
55	3.78	1.14	.54	1.78	.83	2.88	1.66	.75	1.59	1.56	.78	.19	3.78
56	.91	1.20	.96	1.22	.31	2.51	.70	1.03	1.90	3.90	.25	1.24	3.90
57	.61	.36	1.58	.78	1.73	2.85	1.16	1.63	.92	.53	1.55	.71	2.85
58	1.57	1.39	1.62	1.76	1.07	2.39	1.76	.76	.58	1.25	.28	1.35	2.39
59	.58	1.94	1.35	.96	1.31	1.50	3.51	1.20	3.97	2.09	1.25	2.10	3.97
60	1.49	1.63	1.57	2.26	.54	2.01	2.12	.86	1.70	.81	1.07	1.31	2.26
61	.60	1.73	2.27	1.97	1.83	3.11	1.55	2.01	.83	.70	1.20	1.01	3.11
62	.87	2.39	1.87	.98	.71	1.11	.95	1.53	2.52	.56	2.02	.91	2.52
63	1.48	.73	1.38	1.54	.47	1.09	1.32	.57	2.12	.06	1.92	1.00	2.12
64	1.96	1.96	1.08	1.29	1.77	.76	2.21	2.08	2.88	3.31	.27	1.38	3.31
65	.49	1.17	1.77	.61	1.13	3.45	2.42	1.03	1.69	1.84	1.55	.29	3.45
66	1.52	1.28	3.19	1.58	2.34	.96	3.31	1.50	1.30	.73	.44	.72	3.31
67	.80	1.27	.58	1.28	2.76	.79	.99	4.00	1.44	.66	1.60	1.40	4.00
68	1.33	.84	.47	1.09	1.13	2.27	.74	1.97	.24	2.73	1.55	.69	2.73
69	1.04	2.44	1.97	1.10	3.48	1.01	1.60	1.30	.83	.53	1.04	1.18	3.48
70	1.16	.97	2.77	.16	.85	5.17	.57	.65	1.19	1.25	1.48	2.89	5.17
71	1.18	1.23	5.65	1.32	1.36	1.15	.75	2.27	.86	2.10	1.28	1.00	5.65
72	1.98	1.02	1.10	.26	.97	1.92	2.45	1.54	2.09	.57	1.21	1.33	2.45
73	.68	2.70	1.61	1.89	1.33	7.51	1.77	.52	1.45	.74	.28	1.21	7.51
74	2.18	1.15	.70	.84	1.02	.55	2.97	2.84	3.17	.03	1.27	1.32	3.17
75	1.45	1.68	.99	1.38	2.93	3.65	1.62	.43	1.87	.75	1.05	1.34	3.65

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4201-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	1.49	.66	1.46	.89	2.24	3.26	2.41	1.03	2.10	1.88	1.62	1.15	3.26
77	.61	1.19	1.27	.60	.63	.95	1.23	1.20	.80	.37	.48	1.41	1.41
78	2.28	.45	1.43	2.51	.66	1.36	1.06	.63	1.34	.06	1.94	.89	2.51
79	1.80	2.01	.72	1.51	1.49	2.53	3.97	1.27	3.21	.24	2.22	.52	3.97
80	.87	.3	1.87	.62	1.17	.98	.34	1.91	1.85	.58	.78	.79	1.91
81	.23	.98	.80	.43	1.19	.97	1.34	1.78	.24	.62	.40	1.83	1.83
82	1.59	1.18	.61	1.01	.86	2.23	1.93	.38	.99	.88	.38	1.07	2.23
83	.96	1.40	3.88	2.98	.56	1.53	1.41	.98	1.57	1.11	.88	1.80	3.88
84	1.09	1.97	1.33	1.27	4.90	2.00	2.48	1.04	.64	.93	.64	1.04	4.90
85	1.56	2.43	.33	.30	.98	1.37	1.30	4.91	.17	1.99	3.10	.44	4.91
86	.35	1.30	1.40	.23	1.16	1.17	.97	1.56	.42	1.32	1.83	.56	1.83
87	1.75	1.53	1.09	.96	.36	1.03	.87	.70	1.78	1.26	1.00	.56	1.78
88	1.26	.54	1.59	1.67	2.18	1.62	2.24	3.08	2.90	1.77	.45	.46	3.08
89	.52	.99	1.60										1.60*
.....													
GREATEST	3.78	2.70	5.65	2.98	4.90	7.51	3.97	4.91	6.55	3.90	3.10	2.89	7.51
.....													
TOTAL OBS	1488	1356	1453	1410	1457	1410	1456	1457	1410	1457	1410	1457	17221
.....													

THE GREATEST VALUE OF 7.51 OCCURRED ON 06/10/73

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4601-8903  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	95.2	95.8	98.5	99.9	100.0	100.0	100.0	100.0	100.0	99.9	99.8	97.8	98.9
TRACE	3.5	2.6	.9	.1						.1	.2	1.9	.8
0.1-0.4	.6	.6	.4									.2	.1
0.5-1.4	.4	.2											.0
1.5-2.4	.1	.4	.1										.1
2.5-3.4	.1	.2	.1									.1	.0
3.5-4.4	.1	.1	.1										.0
4.5-6.4		.1										.1	.0
6.5-10.4													
10.5-15.4		.1											.0
15.5-25.4													
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS	1.2	1.6	.7									.3	.3
TOTAL NO. OF OBSERVATIONS	1363	1243	1364	1290	1333	1290	1333	1333	1290	1333	1290	1333	15795

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4601-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
49	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
51	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
52	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
53	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
54	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
55	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
56	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
58	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	6.5
59	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
60	TRACE	.1	3.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.0
61	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
62	.3	TRACE	.5	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.8
63	TRACE	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.0
64	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
65	1.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.3
66	.5	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.5
67	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3
68	.2	4.1	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	4.3
69	TRACE	2.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.1
70	3.4	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.4
71	TRACE	TRACE	2.4	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.4
72	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
73	3.0	16.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8	20.3
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
75	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
76	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
77	.9	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	.0	.9
78	TRACE	.9	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.9
79	.0	5.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.1
80	.0	4.1	4.2	.0	.0	.0	.0	.0	.0	.0	.0	2.9	11.2

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4601-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
81	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
82	1.9	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	1.9
83	TRACE	TRACE	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0
84	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
85	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
86	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
87	.7	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
88	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.5
89	.0	4.2	TRACE										4.2*
LEAST	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
GREATEST	3.5	16.5	4.2	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	4.6	20.3
MEAN	.4	1.0	.3	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	.2	1.8
MEDIAN	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
SD	.890	2.761	1.004	.000	.000	.000	.000	.000	.000	.000	.000	.825	3.649
TOTAL OBS	1363	1243	1364	1290	1333	1290	1333	1333	1290	1333	1290	1333	15795

THE GREATEST VALUE OF 16.5 OCCURRED ON 02/73

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LSI TO UTC: +05

PERIOD OF RECORD: 4601-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
46	.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.9
47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
48	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
49	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
51	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
52	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
53	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
54	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
55	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
56	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
58	.0	1.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.6	4.6
59	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
60	TRACE	.1	3.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.7
61	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
62	.3	TRACE	.3	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.3
63	TRACE	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.0
64	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
65	1.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1
66	.4	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.4
67	.0	2.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.3
68	.2	1.9	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	1.9
69	TRACE	2.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.0
70	3.4	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.4
71	TRACE	TRACE	2.4	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	2.4
72	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
73	1.6	13.8	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	13.8
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
75	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
76	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2
77	.9	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	.0	.9
78	TRACE	.7	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.7
79	.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0
80	.0	4.1	4.1	.0	.0	.0	.0	.0	.0	.0	.0	2.9	4.1

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4601-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUA
81	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
82	1.9	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	1.9
83	TRACE	TRACE	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.0
84	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
85	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
86	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
87	.6	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6
88	3.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.5
89	.0	3.1	TRACE										3.1*

GREATEST	3.5	13.8	4.1	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	4.6	13.8
TOTAL OBS	1363	1243	1364	1290	1333	1290	1333	1333	1290	1333	1290	1333	15795

THE GREATEST VALUE OF 13.8 OCCURRED ON 02/10/73

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4201-8903  
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	98.0	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.9	99.5
TRACE	.8	.4	.1									.4	.2
1	.5	.5	.1									.1	.1
2	.5	.1	.1									.3	.1
3	.1	.2	.1									.2	.1
4-6		.2	.1										.0
7-12		.1											.0
13-24		.2											.0
25-36													
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS	1.2	1.5	.4									.7	.3
TOTAL NO. OF OBSERVATIONS	1488	1356	1454	1410	1457	1410	1457	1457	1410	1457	1410	1457	17223

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4201-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42	0	0	0	0	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0	0	0	3	3
44	0	0	0	0	0	0	0	0	0	0	0	0	0*
45	0	0	0	0	0	0	0	0	0	0	0	0	0
46	1	0	0	0	0	0	0	0	0	0	0	0	1
47	0	0	0	0	0	0	0	0	0	0	0	0	0
48	0	0	0	0	0	0	0	0	0	0	0	0	0
49	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	1	0	0	0	0	0	0	0	0	0	3	3
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	3	0	0	0	0	0	0	0	0	0	3
61	TRACE	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
62	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
63	TRACE	3	0	0	0	0	0	0	0	0	0	0	3
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	1	0	0	0	0	0	0	0	0	0	0	0	1
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	1	0	0	0	0	0	0	0	0	0	0	1
68	0	1	0	0	0	0	0	0	0	0	0	0	1
69	TRACE	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
70	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	1	0	0	0	0	0	0	0	0	TRACE	1
72	0	0	0	0	0	0	0	0	0	0	0	0	0
73	3	17	0	0	0	0	0	0	0	0	0	TRACE	17
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4201-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
78	TRACE	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
79	0	5	0	0	0	0	0	0	0	0	0	0	5
80	0	3	5	0	0	0	0	0	0	0	0	2	5
81	0	0	0	0	0	0	0	0	0	0	0	0	0
82	1	TRACE	0	0	0	0	0	0	0	0	0	0	1
83	0	0	2	0	0	0	0	0	0	0	0	0	2
84	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0
86	0	0	0	0	0	0	0	0	0	0	0	0	0
87	1	0	0	0	0	0	0	0	0	0	0	0	1
88	3	0	0	0	0	0	0	0	0	0	0	TRACE	3
89	0	4	TRACE										4*

GREATEST	3	17	5	0	0	0	0	0	0	0	0	3	17
TOTAL OBS	1488	1356	1454	1410	1457	1410	1457	1457	1410	1457	1410	1457	17223

THE GREATEST VALUE OF 17 OCCURRED ON 02/11/73

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC

PERIOD OF RECORD: 4201-8903

SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
43 - 44			DEC 15			DEC 16
45 - 46	JAN 16	JAN 16	JAN 17	JAN 16	JAN 16	JAN 17
47 - 48	JAN 14			FEB 10		
48 - 49	JAN 30			JAN 30		
50 - 51	NOV 25			FEB 10		
51 - 52	JAN 29			JAN 29		
52 - 53	JAN 03			JAN 04		
53 - 54	JAN 24			JAN 24		
54 - 55	DEC 06			JAN 24		
55 - 56	DEC 27			JAN 10		
57 - 58	DEC 11	FEB 13	FEB 13	FEB 13	FEB 13	FEB 13
58 - 59	DEC 10	DEC 11	DEC 11	MAR 02	DEC 11	DEC 17
59 - 60	JAN 01	FEB 14	MAR 12	MAR 12	MAR 11	MAR 12
60 - 61	JAN 21	JAN 26		FEB 07	FEB 03	
61 - 62	JAN 10	JAN 10		MAR 06	MAR 06	
62 - 63	DEC 24	FEB 26	FEB 27	FEB 27	FEB 26	FEB 27
63 - 64	DEC 22			FEB 08		
64 - 65	JAN 15	JAN 17	JAN 31	MAR 08	JAN 30	JAN 31
65 - 66	JAN 22	JAN 26		FEB 23	JAN 27	
66 - 67	DEC 24	FEB 09	FEB 10	FEB 27	FEB 09	FEB 10
67 - 68	JAN 10	JAN 25	FEB 22	FEB 24	FEB 24	FEB 24
68 - 69	NOV 11	FEB 15		FEB 17	FEB 16	
69 - 70	DEC 26	JAN 23		FEB 10	JAN 23	
70 - 71	DEC 29	MAR 25	MAR 26	MAR 25	MAR 25	MAR 26
71 - 72	DEC 02			MAR 25		
72 - 73	JAN 07	JAN 07	JAN 08	FEB 10	FEB 10	FEB 15
73 - 74	DEC 16	DEC 16		DEC 17	DEC 17	
74 - 75	DEC 01			FEB 03		
75 - 76	JAN 17	JAN 17		JAN 17	JAN 17	

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC

PERIOD OF RECORD: 4201-8903

SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
76 - 77	JAN 03	JAN 31		FEB 18	JAN 31	
77 - 78	OCT 16	FEB 09		MAR 02	FEB 23	
78 - 79	DEC 11	FEB 06	FEB 18	FEB 18	FEB 18	FEB 22
79 - 80	FEB 04	FEB 06	FEB 06	MAR 02	MAR 02	MAR 04
80 - 81	DEC 26	DEC 27	DEC 27	FEB 06	DEC 27	DEC 27
81 - 82	DEC 21	JAN 14	JAN 15	APR 08	JAN 14	JAN 15
82 - 83	JAN 20	MAR 24	MAR 24	MAR 25	MAR 24	MAR 25
83 - 84	JAN 15			FEB 28		
84 - 85	JAN 20			FEB 12		
85 - 86	JAN 27			MAR 01		
86 - 87	JAN 26	JAN 26	JAN 27	MAR 12	MAR 12	JAN 27
87 - 88	JAN 07	JAN 07	JAN 08	JAN 15	JAN 07	JAN 16
88 - 89	DEC 16	FEB 23	FEB 24	MAR 08	FEB 24	FEB 25
MEDIAN-DATE	JAN 03	JAN 26	FEB 06	FEB 17	FEB 10	FEB 13

PPPPPPP	AAAAA	RRRRRRR	TTTTTTTTT	CCCCC
PPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	CCCCCCC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPP	AA AA	RRRRRRR	TT	CC
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	CC
PP	AAAAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCC
PP	AA AA	RR RR	TT	CCCCC

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4701-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
47	SW 36	SW 38	W 49	SSW 36	SSE 31	SSE 47	WNW 35	NNW 31	NNE 31	NNE 34	ENE 33	W 29	W 49
48	NW 30	WNW 38	WSW*34	*	WSW 42	ESE 48	SW 44	WNW 35	WNW 24	NW 34	SSW 31	S 28	ESE*48
49	WNW 28	WNW*34	W *34	NNE 36	SSW 39	SSE 51	SW 33	S 43	SSE 23	E 23	NNW 27	SE 23	S *43
50	NE 33	WNW 35	WNW 41	S 38	NNW 37	WSW 40	SW 29	NE *11	*	*	WNW*40	SSE 36	WNW*41
51	SW 35	SW 49	SW 35	NNW 36	NW 36	WSW 68	WSW 37	W 40	SSW 42	NNE 25	WSW 36	SSW 35	WSW 68
52	W 42	SW 41	SSW 49	SE 35	SW 41	NNW 55	NNE 55	ENE 58	NNE 26	N 30	N 31	W 30	ENE 58
53	WSW 38	WSW 37	ESE 36	SSW 44	WSW 54	NE 30	SSE 32	SSE 30	E 26	SSE 25	NNE 32	WSW 36	WSW 54
54	SW 31	WSW 46	WNW 35	N 50	WSW 42	WSW 36	NNW 36	NNW 41	W 35	NE 50	WNW 35	NE 43	N 50
55	ENE 39	W 45	WSW 58	WSW 42	ENE 37	NNW 45	ENE 38	NE 36	ESE 30	WSW 28	WSW 38	WNW 31	WSW 58
56	SW 33	SSW 42	WSW 44	WSW 50	NNE 30	ESE 33	WNW*31	SSW*24	SSE*36	NNE*40	WSW 33	W 41	WSW*50
57	SSW*36	SSW 33	NNE 36	SE 43	NNE 32	SW 48	W 29	NW 47	ENE 30	NNE 25	WSW*33	SSW 38	SW *48
58	NNW 30	WSW 43	NNE 28	WNW 43	W 42	WNW 32	SSE 30	SSE 35	NNW 30	NNE 28	NW 33	WSW 33	WSW 43
59	S 48	W 33	WSW 36	NE 42	SSW 24	NE 37	NNE 37	NNE 28	E 47	SSE 26	NNE 26	NE 27	S 48
60	NE 27	SSW 37	WSW 30	W 31	WSW 26	S 28	W *32	SSW 18	NE 22	N 20	N 23	W 28	SSW*37
61	N *31	WSW 40	W 35	WSW 42	WNW 29	WSW*43	W *41	SSW*34	ESE*23	N *25	SE *31	WSW 22	WSW*43
62	WNW 34	W *34	WSW 35	W 38	NNW 40	SE 30	NW *27	WNW*36	NNE*25	W *23	W 30	NNE*29	NNW*40
63	NNW 26	WSW*26	WSW 37	E 28	ENE 27	N *42	NNW*28	ENE*20	WNW*30	NNE 24	W 36	W *26	N *42
64	W 42	NW *31	WNW 35	NNW 26	E 29	SSW 31	SSW 27	W 38	ENE 27	NNE 31	NNW 35	NNW 33	W *42
65	W 39	WSW 50	SW 36	WSW 37	SSW 44	SSW 29	NNE 37	WNW 41	ENE 23	WSW 31	NNW 30	N 29	WSW 50
66	W 38	SW 52	W 34	WSW 37	NNE 30	N 28	NW 30	SSW 21	S 26	W 29	W 31	W 28	SW 52
67	W 34	WSW 28	E 43	N 32	WNW 40	ENE 44	NW 33	SW 38	NE 20	WSW 25	W 38	W 33	ENE 44
68	NE 27	WNW 28	S 31	WSW 26	NNW 35	NW 28	29/ 26	20/*40	05/ 23	02/ 36	05/ 31	32/ 36	20/*40
69	28/ 29	26/ 39	30/ 44	20/ 30	22/ 24	24/ 32	27/ 28	29/ 23	05/ 16	03/ 28	07/ 39	27/ 30	30/ 44
70	23/ 30	21/ 31	27/ 26	26/ 42	28/ 24	14/ 45	22/ 30	28/ 31	24/ 24	03/ 26	20/ 30	31/ 30	14/ 45
71	28/ 37	28/ 37	28/ 38	23/ 27	22/ 34	17/ 31	18/ 52	09/ 30	36/ 24	07/ 23	33/ 25	04/ 30	18/ 52
72	33/ 26	32/ 37	30/ 40	30/ 32	31/ 43	02/ 29	25/*38	29/*72	29/*30	04/*28	27/ 42	31/ 30	29/*72
73	31/ 28	28/*28	27/*42	27/ 36	33/ 38	16/*12	*	01/*26	04/*22	27/ 23	30/ 38	21/ 34	27/*42
74	30/ 31	26/ 68	27/*42	28/ 33	29/*22	05/*24	03/ 42	16/*28	23/ 26	03/*22	27/ 31	11/ 37	26/*68
75	21/ 33	31/ 42	27/ 38	29/ 36	25/ 30	24/ 40	17/*58	*	*	02/*26	31/ 27	25/ 47	17/*58
76	26/ 28	32/ 40	27/ 39	31/ 42	31/ 32	30/ 30	23/ 30	02/ 28	06/ 27	26/ 39	29/ 30	27/ 34	31/ 42
77	26/ 38	23/ 43	19/ 40	25/ 38	34/ 24	36/ 4	01/ 43	36/ 30	33/ 35	01/ 30	25/ 30	25/ 35	36/ 44
78	24/ 50	28/ 42	26/ 31	01/ 31	21/ 35	34/ 30	24/ 26	15/ 23	07/ 26	29/ 26	03/ 20	28/ 39	24/ 50
79	27/ 43	18/ 38	15/ 34	27/ 36	29/ 30	35/ 34	36/ 40	33/ 27	07/ 37	03/ 29	05/ 25	24/ 34	27/ 43
80	28/ 27	28/ 39	27/ 40	26/ 40	28/ 29	35/ 26	36/ 56	06/ 31	17/ 29	26/ 27	28/ 28	02/ 39	36/ 56

OPERATING LOCATION: 'A'  
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4701-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
81	35/ 27	29/ 42	30/ 38	28/ 34	05/ 30	36/ 42	31/ 34	03/ 25	21/ 20	26/ 23	28/ 26	24/ 26	29/ 42
82	17/ 42	30/ 32	23/ 23	30/ 38	35/ 33	28/ 55	02/ 46	33/ 26	09/ 25	01/ 23	03/ 26	02/ 32	28/ 55
83	28/ 26	04/ 40	20/ 33	18/ 39	22/ 28	30/ 28	02/ 52	29/ 30	36/ 18	23/ 27	26/ 33	23/ 33	02/ 52
84	27/ 34	26/ 37	25/ 40	26/ 52	01/ 36	06/ 31	36/ 40	32/ 26	05/ 27	06/ 26	15/ 28	29/ 32	26/ 52
85	28/ 36	25/ 38	26/ 32	28/ 37	16/ 56	35/ 40	12/ 35	19/ 36	01/ 28	05/ 24	02/ 35	27/ 32	16/ 56
86	27/ 33	27/ 32	30/ 34	24/ 34	35/ 27	08/ 50	30/ 47	28/ 33	24/ 24	02/ 26	20/ 30	05/ 30	08/ 50
87	25/ 39	33/ 35	24/ 32	32/ 32	20/ 42	33/ 30	03/ 26	24/ 31	19/ 29	04/ 33	16/ 27	26/ 34	20/ 42
88	05/ 25	26/ 30	19/ 27	25/ 32	26/ 36	25/ 45	29/ 33	17/ 25	02/ 35	25/ 22	26/ 41	24/ 33	25/ 45
89	28/ 31	24/ 46	26/ 37										24/*46

GREATEST	24/ 50	26/ 68	WSW 58	26/ 52	16/ 56	WSW 68	17/ 58	29/ 72	E 47	NE 50	27/ 42	25/ 47	29/ 72
TOTAL OBS	1305	1168	1292	1221	1257	1205	1201	1165	1149	1207	1209	1277	14656

THE PEAK WIND OF 72 FROM 29/ OCCURRED ON 08/09/72

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH  
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC  
STATION NUMBER: 747900

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS  
FROM SUMMARY OF DAY DATA  
STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4701-8903  
MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS											MEAN WIND	MEDIAN WIND	TOTAL OBS
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
JAN	.2	8.3	28.7	28.3	19.2	9.3	4.2	1.4	.5	.1	.0	17.6	17.0	1305
FEB	.1	4.2	21.6	31.4	24.6	10.3	3.9	2.5	1.3	.2	.1	19.2	18.0	1168
MAR	.0	2.7	17.7	32.5	23.9	11.8	6.6	3.4	1.2	.1	.0	20.1	19.0	1292
APR	.0	1.9	15.9	32.8	27.7	11.9	6.0	2.5	1.1	.2	.0	20.3	19.0	1221
MAY	.2	3.4	24.7	36.6	22.3	7.1	3.5	1.3	.8	.2	.0	18.3	17.0	1257
JUN	.0	5.6	29.0	35.6	17.1	6.8	2.9	1.3	1.3	.2	.1	17.6	16.0	1205
JUL	.2	6.4	30.5	31.2	18.3	6.9	3.7	1.3	1.0	.4	.0	17.5	16.0	1201
AUG	.3	10.7	36.5	30.8	12.6	5.2	2.0	.9	.7	.1	.1	15.9	15.0	1165
SEP	.9	13.7	36.6	30.7	13.1	3.2	1.1	.4	.2	.0	.0	14.9	14.0	1149
OCT	1.0	11.4	35.1	30.6	15.5	5.1	.9	.2	.2	.1	.0	15.4	15.0	1207
NOV	.4	12.6	32.2	27.3	17.2	6.8	2.4	.9	.2	.0	.0	16.1	15.0	1209
DEC	.5	10.7	33.0	27.6	15.8	6.8	4.1	1.3	.2	.0	.0	16.5	15.0	1277
ANNUAL	.5	7.6	28.4	31.3	19.0	7.6	3.5	1.5	.7	.1	.0	17.5	16.0	14656

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	2.6	1.5	.1								6.9	6.2	5.0
020-040	6.7	7.4	3.0	.3								17.4	6.3	6.0
050-070	3.2	2.6	1.5									7.3	5.8	5.0
(E) 080-100	1.2	.2	.1									1.5	4.1	4.0
110-130	.5											.5	2.6	3.0
140-160	.3											.3	1.7	2.0
(S) 170-190	1.6	.2										1.8	2.9	2.0
200-220	2.0	1.4	.4									3.9	5.1	4.0
230-250	3.1	3.9	1.4	.1								8.5	5.9	5.0
(W) 260-280	2.7	6.2	1.9	.1								11.0	6.7	6.0
290-310	2.8	2.6	.4	.1								5.9	5.1	5.0
320-340	2.7	1.5	.8									4.9	4.8	4.0
VARIABLE														
CALM	////////////////////											30.0	////////	
TOTALS	29.5	28.6	11.0	.7								100.0	4.1	5.0
TOTAL NUMBER OF OBSERVATIONS 930														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.6	3.5	1.9		.1							10.2	5.8	5.0
020-040	8.3	7.5	3.5	.4	.1							19.9	6.2	5.0
050-070	4.1	2.8	1.3	.2								8.4	5.9	5.0
(E) 080-100	.5	.1										.6	3.7	3.0
110-130	.3											.3	2.7	2.0
140-160	.3	.1										.4	3.3	3.0
(S) 170-190	.8	.8	.1									1.6	5.1	5.0
200-220	3.7	1.8	.3									5.8	4.3	3.0
230-250	2.7	2.9	1.1									6.7	5.9	6.0
(W) 260-280	3.0	5.1	1.2	.4								9.7	6.6	6.0
290-310	4.1	1.8	.3									6.2	4.0	4.0
320-340	2.4	1.9	.6	.1								5.1	5.5	5.0
VARIABLE														
CALM	////////////////////											25.1	////////	
TOTALS	34.8	28.3	10.3	1.1	.2							100.0	4.3	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.8	4.0	1.1									9.9	5.5	5.0
020-040	7.0	8.2	2.8	.5	.1							18.6	6.4	6.0
050-070	3.1	3.4	1.8	.1								8.5	6.7	6.0
(E) 080-100	.6	.4										1.1	4.0	3.5
110-130	.5											.5	1.8	2.0
140-160	.2											.2	2.0	2.0
(S) 170-190	1.0	.5	.1	.1								1.7	5.5	4.0
200-220	3.8	2.4	.8									6.9	5.0	4.0
230-250	1.7	3.0	1.1									5.8	6.4	6.0
(W) 260-280	2.7	4.3	1.7	.1								8.8	6.4	6.0
290-310	2.8	2.5	.1	.1								5.5	4.6	4.0
320-340	2.9	1.5	.4									4.8	4.5	4.0
VARIABLE														
CALM	////////////////////											27.6	////////	
TOTALS	31.1	30.2	9.9	.9	.1							100.0	4.2	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.0	4.1	1.7	.4	.2							9.5	7.1	6.0
020-040	3.3	7.1	5.8	.8	.1							17.1	8.2	8.0
050-070	4.1	7.2	4.1	.3								15.7	7.3	7.0
(E) 080-100	1.8	.8	.3									2.9	4.3	3.0
110-130	1.4	.3										1.7	3.3	3.0
140-160	.6	.3	.1									1.1	4.3	3.0
(S) 170-190	1.7	1.4	.3	.1								3.5	5.3	5.0
200-220	3.4	2.0	1.5									7.0	5.6	5.0
230-250	1.4	4.6	2.7	.2								8.9	8.0	8.0
(W) 260-280	2.2	4.0	2.8	1.1	.1							10.1	8.5	8.0
290-310	2.3	3.2	1.4	.1	.1							7.1	6.9	6.0
320-340	1.0	1.9	1.4	.1								4.4	7.6	8.0
VARIABLE														
CALM	////////////////////////////////////											11.0	////////	
TOTALS	26.2	36.9	22.1	3.1	.5							100.0	6.4	7.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE C

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 12-14

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.9	4.3	1.7	.5								9.5	7.1	7.0
020-040	2.9	8.3	4.3	.5								16.0	7.7	8.0
050-070	3.5	5.2	1.7	.3								10.8	6.5	6.0
(E) 080-100	2.7	1.4	.1									4.2	4.3	4.0
110-130	1.8	.4										2.3	3.1	2.0
140-160	1.8	.5										2.4	3.5	3.0
(S) 170-190	1.9	1.4	.3		.2	.1						4.0	6.4	5.0
200-220	1.6	4.1	3.1	.4								9.2	7.9	8.0
230-250	1.6	5.5	4.3	.6	.1							12.2	8.6	8.0
(W) 20-280	2.3	4.2	2.9	1.1	.1							10.5	8.3	8.0
290-310	1.4	2.3	2.6	.5								6.8	8.6	8.0
320-340	2.2	4.1	1.8	.1								8.2	6.8	7.0
VARIABLE														
CALM	////////////////////////////////////											4.1	////////////////////////////////	
TOTALS	26.6	41.7	22.8	4.0	.4	.1						100.0	7.0	7.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	3.7	1.9	.1								7.6	6.7	6.0
020-040	3.9	6.6	3.0	.5								14.0	7.1	6.5
050-070	3.4	5.3	1.2	.1								10.0	6.2	6.0
(E) 080-100	2.0	1.1										3.1	3.9	4.0
110-130	1.4	.5										1.9	3.4	3.5
140-160	1.3	.9										2.2	3.8	3.5
(S) 170-190	2.3	2.2	.2	.1	.2							4.9	5.8	5.0
200-220	1.9	4.3	1.8	.1								8.2	7.1	7.0
230-250	1.9	5.2	4.3	.8								12.2	8.6	9.0
(W) 260-280	4.1	3.9	3.9	.8	.5							13.1	8.3	8.0
290-310	2.8	3.7	3.0	.2	.1							9.8	7.4	7.0
320-340	2.3	3.1	1.1									6.5	6.3	6.0
VARIABLE														
CALM	////////////////////											6.6	////////	
TOTALS	29.2	40.5	20.4	2.7	.8							100.0	6.5	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 18-20

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.9	3.5	.6									7.1	5.5	5.0
020-040	5.6	6.2	1.6	.3								13.8	5.9	5.0
050-070	3.3	2.6	.9	.3								7.1	5.6	5.0
(E) 080-100	1.0	.6										1.6	3.9	3.0
110-130	.5	.3										.9	4.0	3.0
140-160	2.0	.1										2.2	2.3	2.0
(S) 170-190	2.0	.6		.1								2.8	4.0	4.0
200-220	4.4	1.5	.3									6.2	3.9	3.0
230-250	3.0	3.7	1.2		.1							8.0	6.3	5.0
(W) 260-280	5.2	3.2	2.9	.5	.1							11.9	6.7	6.0
290-310	3.3	1.5	.8	.3	.1							6.0	5.7	4.0
320-340	2.9	1.5										4.4	3.8	4.0
VARIABLE														
CALM	////////////////////////////////////											28.1	////////////////////////////////	
TOTALS	36.1	25.3	8.3	1.5	.3							100.0	3.9	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.5	3.2	.8	.1								7.6	5.4	5.0
020-040	7.0	5.3	2.2	.2								14.6	5.8	5.0
050-070	4.4	2.6	1.4	.1	.1							8.6	5.8	4.0
(E) 080-100	.9	.4										1.3	4.2	4.0
110-130	.6	.2										.9	3.3	3.0
140-160	.3	.2										.5	4.2	4.0
(S) 170-190	1.7	1.2										2.9	4.5	4.0
200-220	4.3	.5	.2									5.1	3.2	2.0
230-250	2.6	4.5	2.4	.1								9.6	6.8	6.0
(W) 260-280	2.7	5.4	1.7	.4								10.2	7.0	7.0
290-310	1.8	1.1	1.1	.6	.1							4.7	7.9	6.0
320-340	1.9	1.2										3.1	4.2	4.0
VARIABLE														
CALM	////////////////////////////////////											30.9	////////////////////////////////	
TOTALS	31.7	25.8	9.8	1.5	.2							100.0	4.0	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: ALL

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	3.3	3.6	1.4	.2	.0							8.5	6.2	5.0
020-040	5.6	7.1	3.3	.5	.0							16.4	6.7	6.0
050-070	3.7	4.0	1.7	.2	.0							9.5	6.4	6.0
(E) 080-100	1.3	.6	.1									2.0	4.1	4.0
110-130	.9	.2										1.1	3.2	3.0
140-160	.9	.3	.0									1.2	3.3	2.0
(S) 170-190	1.6	1.0	.1	.1	.1	.0						2.9	5.2	4.0
200-220	3.1	2.3	1.1	.1								6.5	5.5	5.0
230-250	2.3	4.2	2.3	.2	.0							9.0	7.3	7.0
(W) 260-280	3.1	4.5	2.4	.6	.1							10.7	7.3	6.0
290-310	2.7	2.3	1.2	.3	.1							6.5	6.4	6.0
320-340	2.3	2.1	.8	.0								5.2	5.6	5.0
VARIABLE														
CALM	////////////////////////////////////											20.4	//////////	
TOTALS	30.8	32.2	14.4	2.2	.3							100.0	5.0	6.0
TOTAL NUMBER OF OBSERVATIONS 7440														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	6.0	8.5	1.6	.2	.1							16.4	5.9	5.0
020-040	4.6	14.4	6.1	.7	.2							26.0	7.7	8.0
050-070	3.0	7.3	3.9	.7	.1							15.0	7.9	8.0
(E) 080-100	1.9	1.1										3.0	4.1	4.0
110-130	.7	.2										.9	3.7	3.0
140-160	.8	.2										1.0	2.8	2.0
(S) 170-190	1.1	1.1	.2	.1								2.4	5.6	5.0
200-220	2.1	1.7	.8									4.6	5.7	5.5
230-250	1.8	3.0	.7	.1								5.6	6.5	6.0
(W) 260-280	1.3	2.9	.3	.1								4.6	6.1	6.0
290-310	1.6	2.7	.8									5.2	6.0	6.0
320-340	2.8	3.0	.7									6.5	5.5	5.0
VARIABLE														
CALM	////////////////////////////////////											9.0	////////////////////////////////	
TOTALS	27.7	46.1	15.1	1.9	.4							100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 1217

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 00-02

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.5	2.9	.5									7.9	4.6	4.0
020-040	7.2	4.9	2.1	.5	.2							15.0	5.0	5.0
050-070	4.8	4.2	1.6	.1								10.8	5.6	5.0
(E) 080-100	1.3	.5	.2									2.0	4.4	3.0
110-130	.4	.4										.7	5.5	5.5
140-160	.7	.2										.9	3.4	3.0
(S) 170-190	1.4	.8	.2	.1	.4							2.9	7.3	5.0
200-220	4.6	2.8										7.4	4.2	4.0
230-250	2.5	3.1	1.1	.2								6.8	6.1	6.0
(W) 260-280	2.4	2.9	1.1	.1	.1							6.6	6.6	6.0
290-310	2.0	1.4	.7	.1	.2							4.5	7.1	5.0
320-340	2.4	2.5	.4	.1								5.3	5.3	5.0
VARIABLE														
CALM	////////////////////////////////////											29.1	////////////////////////////////	
TOTALS	34.2	26.6	7.9	1.2	.9							100.0	4.0	5.0
TOTAL NUMBER OF OBSERVATIONS 849														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.1	3.5	1.1									9.7	5.0	4.0
020-040	8.0	6.9	1.9	.2	.2	.1						17.4	6.1	5.0
050-070	4.6	3.5	1.3	.4	.1							9.9	6.1	5.0
(E) 080-100	.7	.2										.9	3.9	4.0
110-130	.1		.1									.2	6.0	6.0
140-160	.6	.4	.1									1.1	5.2	4.0
(S) 170-190	1.3	.7			.1							2.1	4.7	4.0
200-220	3.8	2.4	.2									6.4	4.4	4.0
230-250	3.2	1.9	.8	.2	.1							6.2	5.8	4.0
(W) 260-280	2.5	3.5	1.8	.2								8.0	6.7	6.0
290-310	2.4	2.0	1.4	.2								6.0	6.8	6.0
320-340	1.4	2.2	.5									4.1	5.4	5.0
VARIABLE														
CALM	////////////////////////////////////											27.9	////////////////////////////////	
TOTALS	33.7	27.2	9.2	1.2	.5	.1						100.0	4.2	5.0
TOTAL NUMBER OF OBSERVATIONS 849														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	2.7	.6	.1								6.7	5.1	5.0
020-040	9.0	6.4	3.5	.5	.1							19.4	6.1	5.0
050-070	4.2	4.8	1.5	.4	.1							11.1	6.2	5.5
(E) 080-100	1.3	.6	.4	.1								2.4	5.8	4.0
110-130	.2	.4										.6	3.8	5.0
140-160	.7		.4									1.1	4.9	2.0
(S) 170-190	1.5	.5	.2									2.2	4.6	4.0
200-220	3.3	2.1	.6									6.0	5.0	4.0
230-250	1.5	2.2	.9	.2	.2	.2						5.4	8.5	7.0
(W) 260-280	2.1	3.1	1.4	.1								6.7	6.9	6.0
290-310	2.7	3.2	.8	.2								6.9	5.9	5.0
320-340	2.8	2.1	.4	.1								5.4	5.0	4.0
VARIABLE														
CALM	////////////////////											26.0	////////	
TOTALS	32.6	28.1	10.7	1.7	.4	.2						100.0	4.4	5.0
TOTAL NUMBER OF OBSERVATIONS 849														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.9	1.5	.2								4.7	8.1	7.0
020-040	3.7	6.7	5.8		.1							16.3	7.9	8.0
050-070	5.2	8.4	4.8	.5	.1							19.0	7.2	7.0
(E) 080-100	2.7	2.2	.5	.4								5.8	5.7	6.0
110-130	1.3	1.1	.2	.1								2.7	5.6	5.0
140-160	1.5	.9	.1									2.6	4.3	4.0
(S) 170-190	1.9	1.5	.5	.1								4.0	5.5	5.0
200-220	1.4	3.9	2.2									7.5	7.4	7.0
230-250	2.1	4.1	2.9	.5	.6							10.2	8.3	8.0
(W) 260-280	1.2	4.4	3.4	.5	.1							9.5	9.0	8.0
290-310	2.1	2.6	1.1	.6	.1							6.5	7.4	7.0
320-340	.9	2.6	1.6	.1								5.3	8.0	8.0
VARIABLE														
CALM	////////////////////////////////////											5.9	////////	
TOTALS	25.1	40.3	24.6	3.0	1.0							100.0	7.0	7.0
TOTAL NUMBER OF OBSERVATIONS 849														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND		
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65	
(N) 350-010	2.4	2.6	1.8	.2	.1							7.1	7.2	7.0	
020-040	3.4	5.4	4.0	.1								13.0	7.4	8.0	
050-070	3.9	5.7	2.7	.1	.1							12.5	7.1	7.0	
(E) 080-100	1.8	1.9	.7									4.4	5.8	5.0	
110-130	1.8	.9	.5									3.2	4.8	4.0	
140-160	1.8	1.8	.7	.4								4.6	6.7	6.0	
(S) 170-190	2.0	2.1	2.0	.2								6.4	7.3	7.5	
200-220	1.3	2.8	4.0	.4								8.5	8.8	10.0	
230-250	1.3	3.5	5.4	.9	.5							11.7	9.8	10.0	
(W) 260-280	2.1	4.5	4.0	1.4	.2							12.2	9.2	9.0	
290-310	1.2	4.2	2.0	.4								7.8	7.5	7.0	
320-340	1.1	3.7	1.8	.4								6.8	8.2	7.5	
VARIABLE															
CALM	////////////////////////////////////										2.0	////////////////////////////////			
TOTALS	24.1	39.1	29.6	4.5	.9							100.0	7.7	8.0	

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	3.3	1.1	.2								5.9	7.4	8.0
020-040	2.1	4.2	3.7	.4								10.4	8.0	8.0
050-070	3.3	5.2	2.0	.1								10.6	6.8	6.0
(E) 080-100	2.1	1.4	.5									4.0	5.2	4.0
110-130	2.2	.8	.5	.1								3.7	5.1	4.0
140-160	1.8	2.0	.7	.1	.1							4.7	6.9	7.0
(S) 170-190	2.4	2.2	1.8	.2	.2	.1						6.9	7.8	7.0
200-220	2.0	2.8	3.3	.4								8.5	8.2	8.0
230-250	2.1	3.8	3.7	1.3	.4	.2						11.4	9.5	9.0
(W) 260-280	2.6	4.0	4.7	.8	.6							12.7	9.1	9.0
290-310	2.2	3.2	3.4	.9								9.8	8.4	8.0
320-340	2.8	4.1	1.6	.5								9.1	6.9	6.0
VARIABLE														
CALM	////////////////////////////////////											2.4	////////////////////////////////	
TOTALS	26.9	37.0	27.0	5.0	1.3	.3						100.0	7.6	8.0
TOTAL NUMBER OF OBSERVATIONS 849														

OPERATING LOCATION "A"  
 UBAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
 LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
 MONTH: FEB HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	3.8	1.2	.1								8.0	5.8	5.0
020-040	6.2	5.4	1.5	.7								13.9	5.8	5.0
050-070	4.7	3.1	1.3	.1								9.2	5.4	4.0
(E) 080-100	.8	.6	.2									1.6	5.1	4.5
110-130	1.2	.6	.4									2.1	4.9	4.0
140-160	2.4	1.5	.2		.4							4.5	5.8	4.0
(S) 170-190	2.7	1.8	.4	.2								5.1	4.9	4.0
200-220	4.5	2.4	.1									6.9	4.3	4.0
230-250	2.5	2.8	.9	.4	.1							6.7	6.6	6.0
(W) 260-280	4.1	3.5	2.0	.6	.1							10.4	6.8	6.0
290-310	2.5	1.5	.5	.2	.2							4.9	6.2	4.5
320-340	3.7	2.5	.7									6.8	5.0	4.0
VARIABLE														
CALM	////////////////////											19.8	////////	
TOTALS	38.2	29.5	9.4	2.3	.8							100.0	4.5	5.0

TOTAL NUMBER OF OBSERVATIONS 849



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	2.8	.9	.1								7.8	5.3	4.5
020-040	7.5	5.1	2.1	.5	.2							15.4	5.9	5.0
050-070	4.2	3.5	1.3	.6								9.7	6.1	5.0
(E) 080-100	1.8	.8										2.6	3.8	3.5
110-130	1.1	.6	.4									2.0	5.2	4.0
140-160	.9	.8										1.8	4.9	4.0
(S) 170-190	2.6	1.6	.6	.4	.2							5.4	6.4	5.0
200-220	5.7	1.3	.1									7.1	3.3	3.0
230-250	1.9	2.2	.6	.2	.1							5.1	6.6	6.0
(W) 260-280	1.3	3.7	1.4	.1	.1							6.6	7.4	6.0
290-310	2.6	.9	.8	.4	.1							4.8	6.6	4.0
320-340	2.6	.8	.4	.2								4.0	5.1	4.0
VARIABLE														
CALM	////////////////////											27.8	////////	
TOTALS	36.1	24.1	8.6	2.5	.7							100.0	4.1	5.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: ALL

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	3.0	2.9	1.1	.1	.0							7.2	5.9	5.0
020-040	5.9	5.6	3.1	.4	.1	.0						15.1	6.5	6.0
050-070	4.4	4.8	2.1	.3	.1							11.6	6.4	6.0
(E) 080-100	1.6	1.0	.3	.1								3.0	5.2	4.0
110-130	1.0	.6	.3	.0								1.9	5.1	4.0
140-160	1.3	1.0	.3	.1	.1							2.7	5.8	5.0
(S) 170-190	2.0	1.4	.7	.2	.1	.0						4.4	6.4	5.0
200-220	3.3	2.6	1.3	.1								7.3	5.9	5.0
230-250	2.1	3.0	2.0	.5	.3	.1						8.0	8.0	7.0
(W) 260-280	2.3	3.7	2.5	.5	.2							9.1	7.9	8.0
290-310	2.2	2.4	1.3	.4	.1							6.4	7.1	6.0
320-340	2.2	2.6	.9	.2								5.9	6.2	6.0
VARIABLE														
CALM	////////////////////////////////////											17.6	////////////////////////////////	
TOTALS	31.3	31.6	15.9	2.9	1.0	.1						100.0	5.4	6.0
TOTAL NUMBER OF OBSERVATIONS 6792														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	3.8	5.9	1.2	.5							11.4	6.5	6.0
020-040	5.0	8.0	8.8	1.3	.7	.1					23.9	8.8	9.0
050-070	5.4	6.9	4.2	1.3	.4						18.3	7.8	7.0
(E) 080-100	1.8	1.0	.2	.1							3.1	5.0	4.0
110-130	.7	.6	.5								1.8	6.2	5.5
140-160	.9	1.5	.6								3.0	6.3	7.0
(S) 170-190	1.6	1.2	.7	.2							3.7	6.1	5.0
200-220	1.8	2.4	.6	.1							5.0	6.1	6.0
230-250	1.6	1.9	1.1	.3							4.9	6.7	6.0
(W) 260-280	1.9	2.1	.9								5.0	6.4	6.0
290-310	1.8	3.0	.6		.1						5.4	6.3	6.0
320-340	1.8	3.0	1.0	.4							6.2	6.7	6.0
VARIABLE													
CALM	////////////////////										8.2	////////	
TOTALS	28.1	37.5	20.4	4.2	1.2	.1					100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 1083

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	3.3	1.6									7.4	6.3	6.0
020-040	5.2	5.1	2.5	.3								13.0	6.3	6.0
050-070	2.5	1.8	.9									5.2	5.8	5.0
(E) 080-100	1.8	1.3	.3									3.4	5.2	4.0
110-130	1.2	1.3										2.5	4.8	5.0
140-160	1.0	.6	.1									1.7	4.7	4.0
(S) 170-190	2.5	2.6	1.4	.2								6.7	6.6	6.0
200-220	4.5	2.9	.8	.2								8.4	5.3	4.0
230-250	2.5	1.9	1.0	.2								5.6	5.9	5.5
(W) 260-280	1.8	2.8	.9									5.5	6.3	6.0
290-310	1.8	3.2	.4									5.5	5.5	5.0
320-340	2.5	1.4	.3									4.2	5.0	4.0
VARIABLE														
CALM	////////////////////////////////////											31.0	////////	
TOTALS	29.8	28.2	10.2	.9								100.0	4.0	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	2.3	1.3	.1								6.8	5.9	5.0
020-040	8.2	6.1	2.9	.2								17.4	5.8	5.0
050-070	3.1	3.8	1.1									8.0	5.9	6.0
(E) 080-100	1.3	1.2	.2									2.7	5.2	5.0
110-130	.8	.8	.1									1.6	4.7	5.0
140-160	.4	.3										.8	4.3	4.0
(S) 170-190	2.3	1.8	1.0	.1								5.2	5.9	5.0
200-220	4.3	4.0	1.0		.1							9.4	5.4	5.0
230-250	3.0	2.2	1.1	.2	.3							6.8	6.8	5.0
(W) 260-280	2.2	2.8	.5		.1							5.6	5.9	6.0
290-310	3.0	2.9	.2									6.1	4.9	5.0
320-340	3.1	2.3	.1									5.5	4.5	4.0
VARIABLE														
CALM	////////////////////											24.3	////////	
TOTALS	34.8	30.5	9.5	.6	.5							100.0	4.3	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	3.4	1.6									7.6	6.4	6.0
020-040	6.5	5.9	3.5	.4								16.3	6.6	6.0
050-070	4.0	6.3	1.1	.2								11.6	6.0	6.0
(E) 080-100	1.2	.6	.4									2.3	5.8	4.0
110-130	.5	.5	.3									1.4	5.8	6.0
140-160	.6	.6	.3									1.6	6.2	5.0
(S) 170-190	2.2	1.6	.3	.2	.1							4.4	5.8	5.0
200-220	1.9	3.3	.5	.2								6.0	6.2	6.0
230-250	2.0	2.6	1.7	.3	.3							7.0	7.7	8.0
(W) 260-280	3.1	3.0	.6	.3								7.1	6.0	5.0
290-310	3.8	3.0	.3									7.1	4.9	4.0
320-340	2.8	2.4	.3									5.5	5.0	4.0
VARIABLE														
CALM	////////////////////////////////////											22.0	////////	
TOTALS	31.2	33.2	10.9	1.6	.4							100.0	4.8	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION WAM  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 09-11

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.3	3.0	2.0									7.3	6.7	6.0
020-040	2.9	5.2	6.0	.9								14.9	8.5	8.0
050-070	3.4	8.3	3.5	.2								15.5	7.3	8.0
(E) 080-100	1.7	3.1	.5									5.4	5.8	5.5
110-130	1.9	1.1	.2									3.2	4.6	4.0
140-160	1.3	1.1	.5									2.9	5.7	5.0
(S) 170-190	1.5	2.8	1.3	.5	.1							6.2	7.8	7.0
200-220	1.6	2.9	2.4	.6								7.5	8.0	7.5
230-250	1.6	3.5	4.4	.9								10.4	9.2	10.0
(W) 260-280	1.6	4.2	4.1	.5	.1	.1						10.6	9.0	9.0
290-310	1.9	2.5	1.0									5.4	6.0	5.5
320-340	1.8	3.0	1.0	.1								5.9	6.6	6.0
VARIABLE														
CALM	////////////////////////////////////											4.6	////////	
TOTALS	23.5	40.7	26.9	3.7	.2	.1						100.0	7.2	7.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 12-14

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.3	2.0	2.3	.2								6.8	7.3	7.0
020-040	2.3	4.2	3.4	.4								10.3	8.0	8.0
050-070	2.4	5.8	2.0									10.2	6.6	6.0
(E) 080-100	1.9	2.3	.8									4.9	5.8	5.0
110-130	1.3	2.2										3.4	5.1	5.0
140-160	2.5	2.8	.4									5.7	5.6	6.0
(S) 170-190	2.4	3.0	2.8	.9	.1							9.1	8.2	7.0
200-220	2.0	2.7	3.3	.9								8.9	8.6	9.0
230-250	1.1	2.8	5.3	1.2	.1							10.4	10.1	10.0
(W) 260-280	1.1	4.4	3.3	1.8	.3							11.0	9.7	9.5
290-310	2.4	3.8	1.8		.1							8.1	6.8	6.0
320-340	.8	4.3	1.7	.1								6.9	7.7	8.0
VARIABLE														
CALM	////////////////////////////////////											4.2	////////////////////////////////	
TOTALS	22.5	40.3	27.1	5.5	.6							100.0	7.5	7.0
TOTAL NUMBER OF OBSERVATIONS 930														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	2.6	.8									4.8	6.2	6.0
020-040	2.3	3.7	2.7	.6								9.2	7.9	7.5
050-070	1.7	2.5	1.9	.2								6.3	7.7	8.0
(E) 080-100	1.8	1.6	.5									4.0	5.5	5.0
110-130	1.9	1.4	.3									3.7	4.8	4.0
140-160	3.3	2.9	.8									7.0	5.3	5.0
(S) 170-190	3.0	4.5	2.6	1.0	.1							11.2	7.7	7.0
200-220	2.5	3.8	4.5	.3	.3							11.4	8.5	8.0
230-250	1.9	3.3	3.1	.8	.5							9.7	9.4	8.5
(W) 260-280	2.3	4.6	3.3	1.8	.3							12.4	9.2	8.0
290-310	1.5	4.9	3.1	.3	.2							10.1	8.4	8.0
320-340	1.4	3.2	1.8		.1							6.6	7.1	6.0
VARIABLE														
CALM	////////////////////											3.7	////////////////	
TOTALS	25.1	39.0	25.4	5.0	1.5							100.0	7.5	7.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFAC WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	2.7	2.4	.8								5.8	5.4	5.0
020-040	2.5	2.6	1.7	.3							7.1	7.0	6.0
050-070	2.9	3.2	1.4								7.5	5.8	6.0
(E) 080-100	1.7	1.3									3.0	4.6	4.0
110-130	2.6	1.4	.2								4.2	4.5	4.0
140-160	3.1	2.3	.6								6.0	5.2	4.0
(S) 170-190	4.7	4.7	1.3	.2							11.0	6.0	6.0
200-220	6.1	3.3	.9								10.3	4.7	4.0
230-250	2.5	2.5	.9	.1	.1						6.0	6.1	5.5
(W) 260-280	4.2	2.5	1.5	.8							8.9	6.6	5.0
290-310	3.1	2.4	1.3								6.8	5.9	5.0
320-340	3.6	1.5	1.0								6.0	5.1	4.0
VARIABLE													
CALM	////////////////////										17.1	////////	
TOTALS	39.7	30.1	11.6	1.4	.1						100.0	4.7	5.0
TOTAL NUMBER OF OBSERVATIONS 928													

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	2.5	.9	.1								6.0	6.0	6.0
020-040	4.9	1.9	1.5	.1								8.4	5.6	4.0
050-070	2.7	2.4	1.3									6.4	6.0	6.0
(E) 080-100	1.5	.9	.2									2.6	5.1	4.0
110-130	1.4	1.4	.1	.1								3.0	5.4	5.0
140-160	2.5	1.1	.5									4.1	4.9	4.0
(S) 170-190	4.0	4.6	1.2	.1								9.9	5.8	5.0
200-220	6.7	3.6	.5									10.8	4.4	4.0
230-250	1.7	2.7	1.0									5.4	6.2	6.0
(W) 260-280	1.7	2.0	.6	.1	.1							4.6	6.4	5.0
290-310	2.9	1.5	1.2									5.6	5.3	4.0
320-340	2.2	1.7	1.2									5.1	6.3	5.0
VARIABLE														
CALM	////////////////////											28.0	////////	
TOTALS	34.8	26.3	10.2	.5	.1							100.0	4.0	5.0
TOTAL NUMBER OF OBSERVATIONS 927														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	2.7	1.4	.1								6.6	6.3	6.0
020-040	4.3	4.3	3.0	.4								12.1	6.9	6.0
050-070	2.8	4.3	1.7	.1								8.8	6.5	6.0
(E) 080-100	1.6	1.5	.4									3.5	5.4	5.0
110-130	1.5	1.3	.2	.0								2.9	4.9	4.0
140-160	1.8	1.5	.4									3.7	5.3	5.0
(S) 170-190	2.8	3.2	1.5	.4	.1							8.0	6.8	6.0
200-220	3.7	3.3	1.7	.3	.1							9.1	6.4	6.0
230-250	2.0	2.7	2.3	.5	.2							7.7	8.1	8.0
(W) 260-280	2.2	3.3	1.9	.7	.1	.0						8.2	7.8	7.0
290-310	2.6	3.0	1.2	.0	.0							6.8	6.2	6.0
320-340	2.3	2.5	.9	.0	.0							5.7	6.0	6.0
VARIABLE														
CALM	////////////////////											16.9	////////	
TOTALS	30.0	33.6	16.6	2.5	.5							100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS 7435

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AIR SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	6.6	4.7	.3								13.9	8.0	8.0
020-040	3.5	7.6	10.8	2.0								23.9	9.2	10.0
050-070	1.4	5.9	4.8	.3								12.5	8.7	8.0
(E) 080-100	1.8	2.2	.4									4.5	5.6	5.0
110-130	1.6	1.6	.2	.1								3.5	5.4	5.0
140-160	2.2	1.9	.6									4.7	5.6	5.0
(S) 170-190	2.5	3.7	1.3	.4								7.9	6.9	6.0
200-220	1.2	2.5	1.1	.3								5.1	7.7	8.0
230-250	1.2	1.8	.9									3.9	6.5	6.0
(W) 260-280	1.1	2.0	.7									3.8	6.5	6.5
290-310	1.6	1.7	.8									4.0	6.3	6.0
320-340	1.9	3.6	.6									6.0	5.9	6.0
VARIABLE														
CALM	////////////////////////////////////											6.4	////////////////////////////////	
TOTALS	22.3	41.1	26.9	3.4								100.0	7.1	7.0

TOTAL NUMBER OF OBSERVATIONS 897

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	2.6	.4									5.4	5.4	5.0
020-040	2.7	.8	.4									3.9	4.4	3.0
050-070	2.8	1.7										4.4	4.2	4.0
(E) 080-100	1.7	1.0	.3									3.0	5.4	4.0
110-130	1.6	1.0										2.6	4.1	4.0
140-160	2.0	.8	.3									3.1	4.5	3.0
(S) 170-190	2.1	1.7	1.0									4.8	5.7	5.0
200-220	6.0	4.9	.9	.3								12.1	5.3	5.0
230-250	3.7	4.3	.8	.2								9.0	6.0	6.0
(W) 260-280	3.1	5.9	1.3									10.3	6.2	6.0
290-310	2.9	3.3	1.0		.1							7.3	6.0	6.0
320-340	2.6	4.1	.2									6.9	5.3	5.0
VARIABLE														
CALM	////////////////////											27.1	////////	
TOTALS	33.6	32.1	6.6	.5	.1							100.0	4.0	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	3.2	.4									6.4	5.4	5.0
020-040	5.6	2.1	.4									8.1	4.2	4.0
050-070	3.7	1.7										5.3	3.7	3.0
(E) 080-100	.9	.8	.1									1.8	4.7	4.0
110-130	2.0	.2	.1									2.3	3.5	4.0
140-160	1.1	.7	.1									1.9	4.1	3.0
(S) 170-190	2.0	1.1	.8	.2								4.1	6.2	5.0
200-220	6.0	3.4	1.1		.1							10.7	5.2	4.0
230-250	1.7	3.9	1.2	.1								6.9	6.9	7.0
(W) 260-280	2.0	5.4	.8									8.2	6.6	7.0
290-310	3.2	4.6	.6									8.3	5.6	5.0
320-340	3.0	2.8	.1									5.9	4.7	4.0
VARIABLE														
CALM	////////////////////////////////////											30.0	////////////////////////////////	
TOTALS	34.0	29.9	5.7	.3	.1							100.0	3.7	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	2.9	.6									6.2	5.6	5.5
020-040	3.6	4.9	.9	.3								9.7	6.0	6.0
050-070	4.6	3.0	1.1									8.7	5.1	4.0
(E) 080-100	1.7	1.2	.2									3.1	5.3	4.0
110-130	1.7	.8										2.4	3.9	4.0
140-160	.8	.8	.1	.1								1.8	5.5	5.0
(S) 170-190	2.0	1.8	.7									4.4	5.8	5.5
200-220	4.2	4.2	1.7	.1								10.2	6.0	6.0
230-250	2.3	5.3	1.6	.3								9.6	7.0	7.0
(W) 260-280	2.2	4.9	1.6									8.7	6.7	6.0
290-310	3.0	4.7	.6		.1							8.3	5.9	5.0
320-340	2.4	4.0	.4									6.9	5.7	6.0
VARIABLE														
CALM	////////////////////											20.0	////////	
TOTALS	31.3	38.5	9.5	.8	.1							100.0	4.7	6.0
TOTAL NUMBER OF OBSERVATIONS 900														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 09-11

WIND SPEED IN KNOTS															
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND	
(N) 350-010	1.9	3.7	2.0	.2								7.8	7.2	7.0	
020-040	1.9	3.8	2.4	.2								8.3	7.6	8.0	
050-070	2.2	5.3	2.0									9.6	6.7	7.0	
(E) 080-100	1.7	3.3	.9	.1								6.0	6.7	6.5	
110-130	1.7	3.0	.2									4.9	5.2	5.0	
140-160	1.1	1.9	1.6	.1	.1							4.8	7.9	8.0	
(S) 170-190	1.2	1.0	1.3	.3		.1						4.0	8.2	7.5	
200-220	1.9	3.6	3.2	1.7	.1							10.4	9.3	9.0	
230-250	1.2	5.2	3.9	.4								10.8	8.5	8.0	
(W) 260-280	1.9	5.4	5.7	1.0								14.0	8.7	9.0	
290-310	2.1	5.2	2.1	.7								10.1	7.6	8.0	
320-340	2.0	2.8	1.8									6.6	6.8	6.0	
VARIABLE															
CALM	////////////////////////////////////												2.8	////////	
TOTALS	20.8	44.2	27.1	4.7	.2	.1						100.0	7.5	8.0	
TOTAL NUMBER OF OBSRVATIONS 900															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	2.0	2.0									6.1	6.9	7.0
020-040	2.2	2.7	1.3									6.2	6.3	5.5
050-070	1.6	3.2	1.1	.1								6.0	6.9	6.5
(E) 080-100	1.8	2.8	.6									5.1	5.7	5.5
110-130	1.2	2.6	.4	.1								4.3	6.5	6.0
140-160	1.4	3.6	1.0	.1								6.1	7.0	7.0
(S) 170-190	1.8	2.6	1.8	.7								6.8	8.0	8.0
200-220	2.1	3.0	5.2	1.4	.3	.1						12.2	10.1	10.0
230-250	2.2	2.9	6.4	.8	.1							12.4	9.3	10.0
(W) 260-280	2.2	5.2	6.7	2.0	.2							16.3	9.6	10.0
290-310	1.1	3.6	4.4	.3	.1							9.6	9.2	10.0
320-340	1.9	3.3	1.8	.2	.1							7.3	7.5	7.0
VARIABLE														
CALM	////////////////////											1.4	////////	
TOTALS	21.6	37.5	32.7	5.7	.8	.1						100.0	8.2	8.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	2.2	1.8									5.3	7.5	8.0
020-040	1.4	1.9	1.2	.1								4.7	6.8	6.0
050-070	1.9	2.7	.7	.2								5.4	6.7	7.0
(E) 080-100	1.3	2.0	.6									3.9	5.8	6.0
110-130	2.0	2.3	.2	.1								4.7	5.9	6.0
140-160	2.0	3.0	1.2									6.2	6.4	6.0
(S) 170-190	1.9	4.1	2.2	.6	.1							8.9	8.1	7.0
200-220	2.1	5.8	4.7	1.2	.2							14.0	9.0	8.0
230-250	1.8	3.6	4.9	1.3		.1						11.7	9.6	10.0
(W) 260-280	.7	5.2	6.9	1.9	.8							15.4	10.8	11.0
290-310	1.4	4.2	4.1	.1	.1							10.0	8.5	8.0
320-340	1.8	4.6	1.3	.1	.1							7.9	7.2	7.0
VARIABLE														
CALM	////////////////////											1.9	////////	
TOTALS	19.6	41.6	29.8	5.6	1.3	.1						100.0	8.2	8.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LSI TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 18-20

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.2	2.6	.9	.1								5.8	5.8	5.0
020-040	2.7	.7	.7									4.0	5.0	4.0
050-070	2.3	1.2	.4	.1								4.1	5.2	4.0
(E) 080-100	1.2	1.4	.4									3.1	5.6	5.5
110-130	1.3	2.3	.4									4.1	5.8	5.0
140-160	3.8	4.2	.8									8.8	5.4	5.0
(S) 170-190	3.4	4.8	2.0	.3								10.6	6.8	7.0
200-220	5.4	4.3	2.0	.2								12.0	5.9	5.0
230-250	2.8	3.4	2.4	.1								8.8	7.1	6.0
(W) 260-280	4.6	7.1	3.0	.4								15.1	6.7	6.0
290-310	1.8	3.1	1.3									6.2	6.9	7.0
320-340	2.6	2.4	.3									5.3	5.1	5.0
VARIABLE														
CALM	////////////////////////////////////											12.1	////////	
TOTALS	34.1	37.5	14.6	1.2								100.0	5.4	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	2.2	.8	.1								5.0	5.9	5.0
020-040	2.6	.4	.4									3.4	4.3	3.0
050-070	2.0	.9	.4									3.3	4.6	4.0
(E) 080-100	.6	.7	.4									1.7	6.4	6.0
110-130	3.0	1.4	.1									4.6	4.0	3.0
140-160	4.3	2.6	.2									7.1	4.4	4.0
(S) 170-190	4.3	5.3	1.2	.2								11.1	6.0	6.0
200-220	6.3	4.6	1.0									11.9	4.9	4.0
230-250	2.3	4.2	.7	.2								7.4	6.3	6.0
(W) 260-280	2.0	5.8	1.4									9.2	6.7	7.0
290-310	2.7	1.1	1.1	.1								5.0	5.9	4.0
320-340	1.9	2.4	1.0	.1								5.4	6.5	6.0
VARIABLE														
CALM	////////////////////											24.8	////////	
TOTALS	33.9	31.6	8.7	.7								100.0	4.2	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: ALL

DIRECTION   (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	2.7	1.1	.1								6.0	6.2	6.0
020-040	2.8	2.2	1.0	.1								6.0	5.8	5.0
050-070	2.6	2.5	.7	.1								5.9	5.6	5.0
(E) 080-100	1.3	1.7	.4	.0								3.5	5.9	5.0
110-130	1.8	1.7	.2	.0								3.7	5.1	5.0
140-160	2.1	2.2	.7	.0	.0							5.0	5.8	6.0
(S) 170-190	2.3	2.8	1.4	.3	.0	.0						6.8	6.9	6.0
200-220	4.3	4.2	2.5	.6	.1	.0						11.7	7.0	6.0
230-250	2.3	4.1	2.7	.4	.0	.0						9.6	7.8	7.0
(W) 260-280	2.3	5.6	3.4	.7	.1							12.2	8.1	8.0
290-310	2.3	3.7	1.9	.2	.1							8.1	7.1	7.0
320-340	2.3	3.3	.9	.1	.0							6.5	6.2	6.0
VARIABLE														
CALM	////////////////////											15.0	////////	
TOTALS	28.6	36.7	16.9	2.6	.3							100.0	5.7	6.0
TOTAL NUMBER OF OBSERVATIONS 7200														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST. TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	1.5	2.1	3.4								7.1	8.2	8.0
020-040	3.2	3.0	4.1								10.3	7.4	7.0
050-070	3.4	5.8	.4								9.6	5.2	5.0
(E) 080-100	2.1	5.8	2.8								10.7	7.2	7.0
110-130	4.3	2.8	.9								7.9	4.9	4.0
140-160	4.1	5.1	1.1	.2							10.5	5.8	5.0
(S) 170-190	2.6	3.6	1.1								7.3	6.0	6.0
200-220	2.4	4.9	1.9								9.2	6.7	6.0
230-250	1.5	3.2	2.4	.2							7.3	8.1	8.5
(W) 260-280	.6	1.5	1.3	.2							3.6	8.3	8.0
290-310	.6	1.3	.4		.2						2.6	7.6	5.5
320-340	1.1	1.1	.4								2.6	6.0	5.0
VARIABLE													
CALM	////////////////////										11.3	////////	
TOTALS	27.4	40.2	20.2	.6	.2						100.0	5.9	6.0
TOTAL NUMBER OF OBSERVATIONS 467													

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY OURS: 00-02

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.7	1.8	.8									4.3	5.9	6.0
020-040	2.9	1.7	.8									5.4	5.2	4.0
050-070	3.0	2.0	.9									5.9	5.2	4.0
(E) 080-100	2.4	.1										2.5	2.7	2.0
110-130	1.2	.4										1.6	3.4	3.0
140-160	2.3	.8										3.0	3.4	3.0
(S) 170-190	5.8	1.9										7.7	3.8	4.0
200-220	11.7	7.2	.2									19.1	4.2	4.0
230-250	3.5	2.5	.5									6.6	4.8	4.0
(W) 260-280	2.2	1.6	.1									3.9	4.5	4.0
290-310	1.9	1.0	.3									3.2	4.7	4.0
320-340	1.1	1.2	.1									2.4	4.8	5.0
VARIABLE														
CALM	////////////////////////////////////											34.4	////////////////////////////////	
TOTALS	39.7	22.2	3.7									100.0	2.9	4.0
TOTAL NUMBER OF OBSERVATIONS 930														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 03-05

WIND SPEED IN KNOTS															
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND	
(N) 350-010	1.7	2.3	.3									4.3	5.5	5.0	
020-040	5.8	2.8	.9									9.5	4.6	4.0	
050-070	4.8	1.9	.5									7.3	4.2	3.0	
(E) 080-100	1.8	.4										2.3	3.4	3.0	
110-130	1.1	.1										1.2	2.7	2.0	
140-160	1.3	.4										1.7	3.4	3.0	
(S) 170-190	3.2	1.0										4.2	3.5	3.0	
200-220	10.2	4.4	.4									15.1	4.2	4.0	
230-250	3.5	2.9	.6									7.1	5.2	4.5	
(W) 260-280	1.9	1.7	.2									3.9	4.9	4.5	
290-310	2.6	2.0										4.6	4.5	4.0	
320-340	.6	1.4	.2									2.3	5.6	5.0	
VARIABLE															
CALM	////////////////////////////////////											36.7	////////		
TOTALS	38.5	21.3	3.1									100.0	2.8	4.0	
TOTAL NUMBER OF OBSERVATIONS 930															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	1.3	.4									3.9	5.1	4.0
020-040	4.1	4.5	1.9									10.5	6.0	6.0
050-070	6.2	4.5	.9	.1								11.7	5.0	4.0
(E) 080-100	2.6	.9	.1									3.5	3.7	3.0
110-130	.5	.2										.8	3.4	4.0
140-160	1.8	.3	.1									2.3	3.5	3.0
(S) 170-190	2.9	2.3	.1									5.3	4.5	4.0
200-220	6.2	5.6	1.3									13.1	5.3	5.0
230-250	3.3	4.6	2.2	.1								10.2	6.6	6.0
(W) 260-280	3.4	4.2	.4									8.1	5.4	5.0
290-310	3.5	1.5										5.1	4.1	4.0
320-340	2.0	2.3	.2									4.5	5.2	6.0
VARIABLE														
CALM	////////////////////											21.1	////////	
TOTALS	38.7	32.2	7.6	.2								100.0	4.1	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	1.7	.5									3.5	5.6	5.0
020-040	2.3	5.4	3.0	.5								11.2	7.7	8.0
050-070	3.1	5.7	1.6	.1								10.5	6.6	7.0
(E) 080-100	2.7	2.8										5.5	4.3	5.0
110-130	1.9	1.9	.1									4.0	4.7	5.0
140-160	1.7	.6	.4									2.8	4.8	4.0
(S) 170-190	2.5	1.9	1.0	.1								5.5	5.8	5.0
200-220	3.1	6.0	3.8	.3								13.2	7.7	8.0
230-250	4.9	7.4	3.7	.1	.1							16.2	6.8	7.0
(W) 260-280	4.3	4.8	3.1	.1								12.4	6.4	6.0
290-310	3.2	2.8	.5									6.6	5.1	5.0
320-340	1.6	2.5	.3									4.4	5.5	5.0
VARIABLE														
CALM	////////////////////////////////////											4.2	////////////////////////////////	
TOTALS	32.6	43.5	18.0	1.2	.1							100.0	6.1	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 12-14

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.2	2.5	.9									5.5	5.8	6.0
020-040	2.6	4.2	1.4	.6								8.8	7.1	6.0
050-070	1.4	5.6	1.0									8.0	6.5	6.0
(E) 080-100	2.4	2.7	.5									5.6	5.3	5.0
110-130	2.0	2.0	.2									4.3	5.1	5.0
140-160	2.5	2.6	.5	.1								5.7	5.4	5.0
(S) 170-190	2.9	2.9	1.2									7.0	5.7	5.0
200-220	3.3	6.7	4.7	.4		.1						15.3	7.7	7.5
230-250	3.3	5.8	4.7	.9								14.7	8.2	8.0
(W) 260-280	3.5	5.3	2.0	.3								11.2	6.7	6.0
290-310	1.5	3.2	.9									5.6	6.3	6.0
320-340	2.4	3.1	.6									6.1	5.7	6.0
VARIABLE														
CALM	////////////////////////////////////											2.3	////////////////////////////////	
TOTALS	30.0	46.6	18.6	2.3		.1						100.0	6.5	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	3.5	1.0									6.9	6.0	6.0
020-040	2.5	4.4	1.8	.2								8.9	6.9	7.0
050-070	2.5	3.1	.9									6.5	6.0	6.0
(E) 080-100	2.5	1.7	.2									4.4	4.5	4.0
110-130	2.4	1.5	.2									4.1	4.7	4.0
140-160	2.4	3.9	1.2	.3								7.7	6.6	6.0
(S) 170-190	3.1	4.6	3.0	.3								11.1	7.1	6.0
200-220	4.7	6.3	4.5									15.6	6.9	7.0
230-250	2.8	5.7	3.9	.2								12.6	7.5	7.0
(W) 260-280	3.0	3.3	1.7	.3								8.4	7.2	7.0
290-310	1.8	2.7	.8	.4								5.7	7.1	6.0
320-340	1.7	2.7	.4									4.8	5.6	6.0
VARIABLE														
CALM	////////////////////////////////////											3.3	////////////////////////////////	
TOTALS	31.8	43.4	19.6	1.7								100.0	6.4	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION: "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 18-20

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.1	1.9	.1									5.2	4.4	4.0
020-040	3.1	2.0	.6		.1							5.9	5.5	4.0
050-070	3.9	2.7	.4									7.0	4.9	4.0
(E) 080-100	3.5	1.0										4.5	3.4	3.0
110-130	1.4	2.4										3.8	4.9	5.0
140-160	4.3	3.8	.8									8.8	5.2	5.0
(S) 170-190	8.8	7.4	1.6									17.8	5.2	5.0
200-220	6.5	4.1	1.4									11.9	5.1	4.0
230-250	3.0	3.7	.4	.1								7.2	5.5	5.0
(W) 260-280	2.2	2.7	.4									5.3	5.6	5.0
290-310	2.0	1.0	1.0	.1								4.1	5.6	4.5
320-340	3.4	1.4	.5	.1								5.5	5.0	4.0
VARIABLE														
CALM	////////////////////////////////////											13.0	////////////////////////////////	
TOTALS	45.2	34.1	7.2	.3	.1							100.0	4.4	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	1.2	.2		.1							3.5	5.1	4.0
020-040	2.8	1.6	.4	.1	.1							5.1	5.4	4.0
050-070	2.4	1.5	.4									4.3	5.1	4.0
(E) 080-100	1.4	.4										1.8	3.4	3.0
110-130	2.2	.4										2.6	3.1	3.0
140-160	6.1	2.3										8.4	3.7	4.0
(S) 170-190	9.5	7.8	.2									17.5	4.6	4.0
200-220	8.2	5.6	.8									14.5	4.5	4.0
230-250	2.9	1.2	.3									4.4	4.2	4.0
(W) 260-280	2.5	1.9	.1	.1								4.6	4.8	4.0
290-310	1.3	.5	.5									2.4	5.2	4.0
320-340	1.3	1.2	.2									2.7	5.2	5.0
VARIABLE														
CALM	////////////////////											28.2	////////	
TOTALS	42.6	25.6	3.1	.2	.2							100.0	3.3	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: ALL

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE-65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	2.1	2.0	.5		.0							4.6	5.5	5.0
020-040	3.3	3.3	1.4	.2	.0							8.2	6.2	6.0
050-070	3.4	3.4	.8	.0								7.6	5.5	5.0
(E) 080-100	2.4	1.3	.1									3.8	4.1	4.0
110-130	1.6	1.1	.1									2.8	4.4	4.0
140-160	2.8	1.8	.4	.1								5.1	4.9	4.0
(S) 170-190	4.8	3.7	.9	.1								9.5	5.1	4.0
200-220	6.7	5.7	2.1	.1		.0						14.7	5.7	5.0
230-250	3.4	4.2	2.0	.2	.0							9.9	6.6	6.0
(W) 260-280	2.9	3.2	1.0	.1								7.2	6.0	6.0
290-310	2.2	1.8	.5	.1								4.7	5.4	5.0
320-340	1.8	2.0	.3	.0								4.1	5.4	5.0
VARIABLE														
CALM	////////////////////////////////////											17.9	////////////////////////////////	
TOTALS	37.4	33.5	10.1	.9								100.0	4.6	5.0
TOTAL NUMBER OF OBSERVATIONS 7440														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	1.2	.6		.2							2.6	7.8	8.0
020-040	3.2	6.2	3.0	1.4	.2							13.9	8.1	7.5
050-070	5.6	10.3	1.0	.2								17.1	5.9	6.0
(E) 080-100	5.6	3.6										9.1	4.0	4.0
110-130	3.6	3.2										6.7	4.3	4.0
140-160	3.4	2.2	.2	.2								6.0	4.9	4.0
(S) 170-190	3.4	4.6	.4									8.3	5.1	5.0
200-220	2.8	3.6	.4									6.7	5.3	5.0
230-250	2.0	3.0	1.4									6.3	6.6	6.0
(W) 260-280	1.6	2.4	.6									4.6	5.5	5.0
290-310	1.2	.8	.4	.2								2.6	6.5	5.0
320-340	.4	.4	.2									1.0	6.4	8.0
VARIABLE														
CALM	////////////////////											15.1	////////	
TOTALS	33.4	41.5	8.2	2.0	.4							100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 504

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE-65
(N) 350-010	2.2	1.0										3.2	4.0	4.0
020-040	4.6	1.2	.2	.1								6.1	3.8	3.0
050-070	3.7	2.1										5.8	3.7	3.0
(E) 080-100	1.7	.6										2.2	3.1	3.5
110-130	1.7	.3										2.0	3.1	2.0
140-160	1.9											1.9	2.2	2.0
(S) 170-190	5.0	.9										5.9	3.0	2.0
200-220	13.3	5.3	.4									19.1	3.8	4.0
230-250	4.7	5.0	.3									10.0	5.0	5.0
(W) 260-280	1.9	1.8	.1									3.8	4.8	4.5
290-310	1.8	1.0										2.8	4.6	4.0
320-340	1.0	1.1										2.1	4.4	5.0
VARIABLE														
CALM	////////////////////////////////////										35.1	////////		
TOTALS	43.5	20.3	1.0	.1								100.0	2.6	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	.7	.1									3.6	3.5	3.0
020-040	4.9	1.7	.4									7.0	4.2	4.0
050-070	5.1	2.8	.4									8.3	4.6	4.0
(E) 080-100	2.1	.3										2.4	3.0	3.0
110-130	1.4	.3										1.8	2.9	2.5
140-160	1.3											1.3	2.2	2.0
(S) 170-190	2.9	.2										3.1	2.8	2.0
200-220	13.3	2.6										15.9	3.3	3.0
230-250	5.4	4.8	.6	.1								10.9	5.1	4.5
(W) 260-280	3.8	1.8	.2									5.8	4.1	4.0
290-310	2.2	2.2										4.4	4.4	4.5
320-340	1.3	.2										1.6	3.0	2.0
VARIABLE														
CALM	////////////////////											33.9	////////	
TOTALS	46.5	17.6	1.7	.1								100.0	2.6	3.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	1.1	.1									4.0	3.9	3.5
020-040	6.1	3.9	1.9									11.9	5.1	4.0
050-070	4.2	4.2	1.1									9.6	5.4	5.0
(E) 080-100	3.3	.7										4.0	3.2	3.0
110-130	1.9	.3										2.2	2.8	2.0
140-160	1.1	.3										1.4	3.0	3.0
(S) 170-190	3.1	.6										3.7	3.3	3.0
200-220	6.8	3.0	.1									9.9	3.9	4.0
230-250	5.7	8.9	1.3	.1								16.0	5.8	6.0
(W) 260-280	5.0	4.0	.7									9.7	5.0	4.0
290-310	3.1	2.8										5.9	4.5	4.0
320-340	1.7	1.7										3.3	4.5	4.5
VARIABLE														
CALM	////////////////////											18.4	////////	
TOTALS	44.8	31.5	5.2	.1								100.0	3.8	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: -5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	2.0	.7	.1								5.6	5.2	4.5
020-040	4.0	4.9	1.1									10.0	5.7	5.0
050-070	3.4	5.4	1.4	.2								10.6	6.4	6.0
(E) 080-100	3.1	3.1	.9									7.1	5.5	5.0
110-130	2.7	2.0	.1									4.8	4.4	4.0
140-160	2.1	.9										3.0	3.5	3.0
(S) 170-190	3.3	1.1										4.4	3.6	3.0
200-220	3.9	3.6	.7									8.1	5.3	5.0
230-250	5.6	10.1	1.6	.4								17.7	6.2	6.0
(W) 260-280	3.9	6.6	2.1	.2								12.8	6.5	6.0
290-310	3.8	3.7	.1									7.6	4.8	4.5
320-340	2.7	2.1	.1									4.9	4.9	4.0
VARIABLE														
CALM	////////////////////											3.6	////////	
TOTALS	41.3	45.5	8.8	.9								100.0	5.3	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	1.7	.1	.1								4.3	4.6	4.0
020-040	3.0	2.9	.9	.1								6.9	5.9	5.0
050-070	3.4	6.8	1.1									11.3	6.0	6.0
(E) 080-100	3.8	4.0	.4									8.2	5.1	5.0
110-130	3.3	1.1	.1									4.6	4.1	4.0
140-160	2.2	3.1	.1									5.4	5.1	5.0
(S) 170-190	2.2	2.6	.4									5.2	5.3	5.0
200-220	3.8	5.1	1.4									10.3	5.8	5.0
230-250	3.9	8.4	2.4	.4								15.2	6.8	6.0
(W) 260-280	3.9	6.0	2.1	.1								12.1	6.4	6.0
290-310	3.3	3.2	.2									6.8	5.0	5.0
320-340	3.6	2.8	.3									6.7	4.7	4.0
VARIABLE														
CALM	////////////////////											2.9	////////	
TOTALS	38.8	47.7	9.5	.7								100.0	5.5	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION: MAM  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	1.6	.1									4.2	4.4	4.0
020-040	3.1	3.3	.4	.1								7.0	5.3	5.0
050-070	3.8	5.2	.4									9.4	5.0	5.0
(E) 080-100	3.2	3.8	.1									7.1	5.0	5.0
110-130	2.7	3.4	.2									6.3	5.1	5.0
140-160	3.9	3.3	.4									7.7	5.1	4.0
(S) 170-190	3.1	4.2	1.2									8.6	5.9	5.0
200-220	4.2	5.9	1.8	.1								12.0	6.1	6.0
230-250	3.8	8.7	2.2	.2								14.9	6.6	7.0
(W) 260-280	2.6	4.7	2.2	.3								9.8	6.9	6.0
290-310	2.2	1.7	1.1	.1	.1							5.2	6.6	5.0
320-340	3.1	.9	.4	.2								4.7	4.7	3.0
VARIABLE														
CALM	////////////////////											3.1	////	////
TOTALS	38.3	46.7	10.5	1.0	.1							100.0	5.6	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.9	1.6		.1								4.6	4.0	3.0
020-040	3.6	1.1	.2									4.9	4.0	3.5
050-070	3.0	2.6	.2									5.8	4.7	4.0
(E) 080-100	4.9	1.7										6.6	3.7	4.0
110-130	5.6	1.8	.1									7.4	3.6	3.0
140-160	8.0	3.8	.1									11.9	3.8	4.0
(S) 170-190	7.3	5.1	.7									13.1	4.7	4.0
200-220	7.0	4.1	.8									11.9	4.6	4.0
230-250	6.3	3.8	.3									10.4	4.2	4.0
(W) 260-280	3.8	2.0	.7	.1								6.6	5.2	4.0
290-310	.6	1.3	.6									2.4	6.5	6.0
320-340	2.0	1.3	.1			.1						3.6	5.2	3.5
VARIABLE														
CALM	////////////////////											10.9	////////	
TOTALS	55.0	30.2	3.8	.2		.1						100.0	3.9	4.0
TOTAL NUMBER OF OBSERVATIONS 900														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	.6										2.0	3.6	3.5
020-040	3.2	1.2	.1									4.6	4.0	4.0
050-070	3.7	.9	.1									4.7	3.7	3.0
(E) 080-100	3.7	.2										3.9	2.7	2.0
110-130	4.0	.7										4.7	3.2	3.0
140-160	5.6	.9										6.4	3.1	3.0
(S) 170-190	7.2	3.6	.2									11.0	4.0	3.0
200-220	10.0	5.2	.6									15.8	4.2	4.0
230-250	4.7	2.8	.4									7.9	4.4	4.0
(W) 260-280	1.9	1.1	.1									3.1	4.5	4.0
290-310	1.3	.8	.2									2.3	4.5	4.0
320-340	1.2	.5	.1									2.2	4.5	4.0
VARIABLE														
CALH	////////////////////											31.4	////////	
TOTALS	47.9	18.9	1.8									100.0	2.7	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	1.3	.1	.0								3.9	4.3	4.0
020-040	4.1	2.5	.7	.0								7.3	4.9	4.0
050-070	3.8	3.8	.6	.0								8.2	5.2	5.0
(E) 080-100	3.2	1.8	.2									5.2	4.3	4.0
110-130	2.9	1.3	.1									4.2	3.9	4.0
140-160	3.3	1.5	.1									4.9	3.9	4.0
(S) 170-190	4.3	2.3	.3									6.9	4.3	4.0
200-220	7.8	4.3	.7	.0								12.9	4.5	4.0
230-250	5.0	6.6	1.2	.2								12.9	5.7	6.0
(W) 260-280	3.3	3.5	1.0	.1								7.9	5.8	5.0
290-310	2.3	2.1	.3	.0	.0							4.7	5.1	5.0
320-340	2.1	1.4	.1	.0		.0						3.6	4.6	4.0
VARIABLE														
CALM	////////////////////											17.4	////////	
TOTALS	44.6	32.4	5.4	.3								100.0	4.0	4.0
TOTAL NUMBER OF OBSERVATIONS 7200														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE-65			
(N) 350-010	1.9	3.0	.6	.4								6.0	6.7	6.0
020-040	5.4	4.7	2.4	.2								12.7	6.1	6.0
050-070	4.9	4.1	.4									9.4	4.8	4.0
(E) 080-100	5.8	1.1										6.9	3.2	3.0
110-130	4.7	1.3										6.0	3.2	3.0
140-160	3.2	1.1										4.3	3.3	3.0
(S) 170-190	5.8	1.9										7.7	4.2	3.5
200-220	9.0	3.4	.9									13.3	4.1	3.0
230-250	4.1	5.2	.4									9.7	5.5	6.0
(W) 260-280	3.0	1.3	.2									4.5	4.2	4.0
290-310	1.9	.9	.4									3.2	5.0	4.0
320-340	1.1	.9	.9	.2		.2						3.2	8.5	6.0
VARIABLE														
CALM	////////////////////											13.1	////////	
TOTALS	50.8	28.9	6.2	.8		.2						100.0	4.2	4.0

TOTAL NUMBER OF OBSERVATIONS 466

OPERATING LOCATION: MA  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	.3	.1									2.5	3.4	3.0
020-040	3.7	.9	.2									4.7	3.9	4.0
050-070	3.9	1.2	.3	.1								5.5	4.0	3.0
(E) 080-100	1.4											1.4	2.5	2.0
110-130	.8	.1										.9	2.4	2.0
140-160	1.5											1.5	1.8	2.0
(S) 170-190	4.6	.9										5.5	2.9	2.0
200-220	13.2	6.3	.3									19.9	3.9	4.0
230-250	5.3	4.4	.2									9.9	4.5	4.0
(W) 260-280	2.8	2.0	.1									4.9	4.0	4.0
290-310	2.5	.9										3.3	3.6	3.0
320-340	1.4											1.4	2.3	2.0
VARIABLE														
CALM	////////////////////											38.6	////////	
TOTALS	43.1	17.0	1.2	.1								100.0	2.3	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65				
(N) 350-010	2.6	1.0											3.5	3.5	3.0
020-040	5.3	2.4	.1										7.7	4.0	4.0
050-070	4.7	1.3	.3										6.3	3.8	3.0
(E) 080-100	1.1	.1											1.2	2.7	2.0
110-130	.4												.4	1.5	1.0
140-160	.3												.3	1.7	2.0
(S) 170-190	2.9	.1											3.0	2.3	2.0
200-220	11.8	4.3											16.1	3.5	3.0
230-250	6.3	3.5											9.9	4.1	4.0
(W) 260-280	3.3	1.4	.1										4.8	3.8	4.0
290-310	1.8	1.1											2.9	3.9	4.0
320-340	1.7	.2											1.9	3.3	3.5
VARIABLE															
CALM	////////////////////////////////////												41.7	////////////////////////////////	
TOTALS	42.2	15.4	.5										100.0	2.1	3.0
TOTAL NUMBER OF OBSERVATIONS 930															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 06-08

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.3	1.1										4.4	3.6	3.0
020-040	5.3	3.0	.6									8.9	4.4	4.0
050-070	5.1	3.3	1.4									9.8	5.0	4.0
(E) 080-100	2.6	.4										3.0	3.2	3.0
110-130	1.3	.2										1.5	2.9	2.5
140-160	1.1											1.1	2.9	3.0
(S) 170-190	2.2	.4										2.6	2.6	2.0
200-220	9.5	4.4										13.9	4.1	4.0
230-250	7.6	7.3	.9	.1								15.9	5.2	5.0
(W) 260-280	3.4	2.4	.2									6.0	4.3	4.0
290-310	3.4	1.0										4.4	3.5	3.0
320-340	3.0	1.1										4.1	3.5	3.0
-----														
VARIABLE														
CALM	////////////////////											24.4	////////////////	
TOTALS	47.8	24.6	3.1	.1								100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	1.4	.1									5.4	3.9	3.0
020-040	3.1	3.9	.5									7.5	5.4	5.0
050-070	3.9	5.5	1.4									10.8	6.1	6.0
(E) 080-100	3.5	2.7	.2									6.5	4.5	4.0
110-130	2.9	1.3										4.2	3.6	3.0
140-160	1.9	.6	.1									2.7	3.7	4.0
(S) 170-190	3.5	1.3										4.8	3.8	4.0
200-220	6.2	6.3	.6	.1								13.3	5.3	5.0
230-250	5.2	8.1	.8	.1								14.1	5.5	6.0
(W) 260-280	5.8	5.6	1.0									12.4	5.2	5.0
290-310	4.2	2.7	.2									7.1	4.5	4.0
320-340	3.1	1.1										4.2	3.4	3.0
VARIABLE														
CALM	////////////////////											7.1	////	////
TOTALS	47.2	40.5	4.9	.2								100.0	4.6	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	1.	.6									2.6	4.5	4.0
020-040	3.5	2.8	.8	.1							7.2	5.2	5.0
050-070	3.5	5.9	.9								10.3	5.6	6.0
(E) 080-100	3.1	3.7	.4								7.2	5.2	5.0
110-130	4.7	1.6									6.3	3.7	4.0
140-160	2.5	2.8	.2								5.5	5.2	5.0
(S) 170-190	3.3	1.4	.2								4.9	4.6	4.0
200-220	4.8	7.6	1.3								13.8	5.7	6.0
230-250	4.2	10.1	1.8	.1							16.2	6.3	6.0
(W) 260-280	4.0	5.5	1.5	.1							11.1	6.2	6.0
290-310	3.3	2.5	.8	.1							6.7	5.5	4.5
320-340	2.6	1.1	.1								3.8	4.1	4.0
VARIABLE													
CALM	////////////////////										4.4	////////	
TOTALS	41.4	45.6	8.0	.4							100.0	5.2	5.0

TOTAL NUMBER OF OBSERVATIONS: 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	1.6	.1	.1								3.2	5.4	5.0
020-040	2.0	2.4	.1	.1								4.6	5.2	5.0
050-070	2.7	3.0	.9									6.6	5.8	6.0
(E) 080-100	4.0	3.5	.6	.1								8.3	5.0	5.0
110-130	3.4	2.8	.4									6.7	5.0	4.0
140-160	4.9	3.9	.6	.1	.1							9.7	5.3	4.0
(S) 170-190	5.8	5.6	1.5	.1								13.0	5.6	5.0
200-220	5.2	6.5	2.0									13.7	5.9	6.0
230-250	4.3	7.4	1.9									13.7	6.2	6.0
(W) 260-280	2.5	4.0	1.3	.1								7.8	6.2	6.0
290-310	2.5	1.5	.5	.1								4.6	5.4	4.0
320-340	1.8	1.3	.3		.1							3.5	5.6	4.0
VARIABLE														
CALM	////////////////////											4.6	////////	
TOTALS	40.5	43.5	10.2	.7	.2							100.0	5.4	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 18-20

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.0	.8										2.8	3.6	3.0
020-040	2.4	.6	.2									3.2	4.1	4.0
050-070	3.3	1.7	.3									5.4	4.4	4.0
(E) 080-100	3.5	1.7	.1									5.4	4.2	4.0
110-130	4.2	2.0	.2									6.5	4.2	4.0
140-160	8.1	2.6	.2									10.9	3.7	3.0
(S) 170-190	9.1	5.5	1.1	.1								15.8	4.8	4.0
200-220	8.8	4.5	.3	.1								13.8	4.2	4.0
230-250	4.8	4.4	.8	.1								10.1	5.3	5.0
(W) 260-280	3.2	2.7	.4	.1								6.5	4.8	4.5
290-310	1.4	1.3	.2									2.9	5.4	5.0
320-340	1.5	.8	.3	.1								2.7	5.6	4.0
VARIABLE														
CALM	////////////////////////////////////											14.2	////////	
TOTALS	52.3	28.6	4.1	.5								100.0	3.9	4.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	.3	.1									1.9	3.7	3.5
020-040	2.7	.6	.3									3.7	3.9	3.0
050-070	4.0	1.3	.2	.1								5.6	3.8	2.0
(E) 080-100	2.4	.6	.1									3.1	3.2	2.0
110-130	1.8	.4										2.3	2.9	2.0
140-160	4.8	.5										5.4	2.8	2.0
(S) 170-190	8.9	3.5	.3									12.8	3.7	3.0
200-220	12.0	5.7	.2									18.0	4.0	4.0
230-250	4.8	2.8	.3									8.0	4.2	4.0
(W) 260-280	3.1	1.4	.5									5.1	4.7	4.0
290-310	1.7	.6	.1									2.5	3.7	3.0
320-340	.9	.1										1.0	3.4	4.0
VARIABLE														
CALM	////////////////////											30.9	////////	
TOTALS	48.6	17.8	2.1	.1								100.0	2.6	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: ALL

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	2.3	.9	.1	.0								3.3	3.9	3.0
020-040	3.5	2.1	.4	.0								6.0	4.6	4.0
050-070	3.9	2.9	.7	.0								7.5	5.0	4.0
(E) 080-100	2.7	1.6	.2	.0								4.5	4.3	4.0
110-130	2.4	1.1	.1									3.6	3.9	4.0
140-160	3.1	1.3	.1	.0	.0							4.6	4.1	4.0
(S) 170-190	5.1	2.3	.4	.0								7.8	4.3	4.0
200-220	9.0	5.7	.6	.0								15.3	4.5	4.0
230-250	5.3	6.0	.8	.1								12.2	5.3	5.0
(W) 260-280	3.5	3.1	.6	.0								7.3	5.1	5.0
29-310	2.6	1.4	.2	.0								4.3	4.5	4.0
320-340	2.0	.7	.1	.0	.0							2.8	4.1	4.0
VARIABLE														
CALM	////////////////////											20.7	////////////////	
TOTALS	45.4	29.1	4.3	.1								100.0	3.7	4.0
TOTAL NUMBER OF OBSERVATIONS 7440														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.7	.4									2.4	5.0	4.0
020-040	4.7	3.5	.9	.2								9.3	5.4	4.5
050-070	5.4	5.8	3.7	.4								15.3	6.7	6.0
(E) 080-100	3.0	1.1	.4									4.5	4.2	4.0
110-130	3.2	.2										3.4	2.7	3.0
140-160	1.7	.2										1.9	2.8	2.5
(S) 170-190	3.5	.2										3.7	2.8	2.0
200-220	9.7	5.0	.6	.2								15.5	4.6	4.0
230-250	5.8	3.5	.4	.4								10.1	4.7	4.0
(W) 260-280	4.3	.7	.9									6.0	4.3	3.0
290-310	2.6	.9										3.5	3.8	4.0
320-340	1.3	.6										1.9	3.5	3.0
VARIABLE														
CALM	////////////////////											22.6	////////	
TOTALS	46.5	22.4	7.3	1.2								100.0	3.7	4.0
TOTAL NUMBER OF OBSERVATIONS 536														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	.2	.2									2.7	3.5	3.0
020-040	7.3	2.6	.1									10.0	3.7	3.0
050-070	5.6	2.5	.1									8.2	3.9	4.0
(E) 080-100	1.2											1.2	2.3	2.0
110-130	1.4	.3										1.7	2.6	2.0
140-160	1.0											1.0	2.6	2.0
(S) 170-190	2.2	.2	.1									2.5	3.2	3.0
200-220	12.9	5.2										18.1	3.7	3.0
230-250	6.0	1.9										8.0	3.6	3.0
(W) 260-280	2.9	.9										3.8	3.8	4.0
290-310	1.7	.2										1.9	3.2	3.0
320-340	1.0											1.0	2.0	2.0
VARIABLE														
CALM	////////////////////											40.1	////////	
TOTALS	45.5	14.0	.5									100.0	2.1	3.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 -- MAR 89  
MONTH: AUG HOURS: 03-05

WIND SPEED IN KNOTS															
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND	
(N) 350-010	2.2	.4										2.6	3.3	3.0	
020-040	8.2	4.5	.3									13.0	4.1	4.0	
050-070	5.6	2.8	.3									8.7	4.1	4.0	
(E) 080-100	1.0	.3										1.3	2.9	2.0	
110-130	.4	.1										.5	2.4	2.0	
140-160	1.0											1.0	2.0	2.0	
(S) 170-190	2.8											2.8	2.2	2.0	
200-220	10.1	2.5										12.6	3.3	3.0	
230-250	6.3	3.3										9.7	3.9	4.0	
(W) 260-280	1.9	.9	.1									2.9	4.3	4.0	
290-310	1.8	.4										2.3	3.1	3.0	
320-340	1.6	.1										1.7	2.8	2.0	
VARIABLE															
CALM	////////////////////////////////////												41.0	////////	
TOTALS	42.9	15.3	.7									100.0	2.1	3.0	

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "AM"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.0	1.9										4.9	4.4	4.0
020-040	7.0	4.7	1.5									13.2	5.1	4.0
050-070	6.7	4.3	1.1	.1								12.2	4.8	4.0
(E) 080-100	1.7	.8	.2									2.7	4.1	3.0
110-130	1.5											1.5	2.7	2.5
140-160	.8	.1										.9	3.0	2.5
(S) 170-190	2.6	1.1										3.7	3.1	2.0
200-220	7.0	2.6	.1									9.7	4.0	4.0
230-250	6.3	4.7	.3									11.4	4.5	4.0
(W) 260-280	3.7	2.0										5.7	4.2	4.0
290-310	3.0	.4										3.4	3.3	3.0
320-340	1.5	1.0										2.5	4.0	4.0
VARIABLE														
CALM	////////////////////											28.3	////////	
TOTALS	44.8	23.6	3.2	.1								100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	1.5										3.7	3.9	4.0
020-040	4.4	5.9	1.3	.1								11.7	6.1	6.0
050-070	4.8	7.7	2.7	.2								15.5	6.3	6.0
(E) 080-100	2.9	3.2	.3									6.5	4.9	5.0
110-130	2.6	1.1										3.7	3.8	4.0
140-160	3.7	.6	.1									4.4	3.2	3.0
(S) 170-190	3.8	1.1	.1									4.9	3.7	4.0
200-220	4.5	4.0	.4									8.9	4.9	4.0
230-250	4.1	7.3	1.1									12.5	5.9	6.0
(W) 260-280	4.8	5.3	.5									10.6	5.3	5.0
290-310	4.4	2.0										6.5	4.0	4.0
320-340	2.4	.8										3.1	3.7	4.0
VARIABLE														
CALM	////////////////////											8.1	////////	
TOTALS	44.6	40.5	6.5	.3								100.0	4.7	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	1.8	.3									5.3	4.7	4.0
020-040	3.4	5.5	1.5	.3								10.8	6.3	6.0
050-070	3.8	8.3	2.5									14.5	6.4	6.0
(E) 080-100	3.8	3.8	.3									7.8	5.1	5.0
110-130	2.5	2.3										4.7	4.5	4.0
140-160	3.1	2.3	.1									5.5	4.4	4.0
(S) 170-190	2.8	2.6	.4	.3								6.1	5.7	5.0
200-220	3.3	4.2	1.1									8.6	5.6	5.0
230-250	4.5	7.6	1.2									13.3	5.9	6.0
(W) 260-280	3.5	4.4	1.3									9.8	6.1	6.0
290-310	3.0	2.4	.1									5.5	4.6	4.0
320-340	2.9	1.1										4.0	3.9	4.0
VARIABLE														
CALM	////////////////////											4.1	////////	
TOTALS	39.7	46.3	9.3	.6								100.0	5.3	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	1.6	.5									3.9	5.7	5.5
020-040	4.3	5.4	2.0	.1								11.8	6.2	6.0
050-070	4.0	4.9	1.7	.1								10.8	6.0	6.0
(E) 080-100	5.1	4.0	.3									9.4	4.8	4.0
110-130	3.8	2.0	.5	.1								6.5	5.2	4.0
140-160	3.4	3.8	.3									7.5	5.0	5.0
(S) 170-190	4.0	4.0	1.1									9.0	5.5	5.0
200-220	4.3	7.5	1.9									13.8	6.1	6.0
230-250	4.1	5.7	1.4	.1								11.3	6.0	6.0
(W) 260-280	2.8	2.4	.3	.1								5.6	5.2	4.5
290-310	2.0	1.4	.2									3.7	4.8	4.0
320-340	1.2	1.5	.1									2.8	4.7	5.0
VARIABLE														
CALM	////////////////////											4.1	////////	
TOTALS	40.7	44.2	10.3	.5								100.0	5.4	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	.2	.2	.1								2.4	4.8	3.0
020-040	4.6	2.3	.4	.1								7.4	4.4	4.0
050-070	5.6	3.4	8	.1								9.9	4.8	4.0
(E) 080-100	4.7	1.9	.2									6.9	4.0	3.5
110-130	3.4	.6										4.1	3.2	2.0
140-160	7.4	1.7	.3									9.5	3.5	3.0
(S) 170-190	8.5	2.3	.5									11.3	3.9	4.0
200-220	9.2	4.4	1.1									14.7	4.4	4.0
230-250	3.4	1.9	.2									5.6	4.6	4.0
(W) 260-280	2.4	.6	.1									3.1	4.0	4.0
290-310	1.4	1.3	.1									2.8	5.1	4.5
320-340	1.9	.2	.1									2.3	3.2	3.0
VARIABLE														
CALM	////////////////////											20.1	////////	
TOTALS	54.3	20.8	4.0	.3								100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	.4	.3									2.5	6.3	4.0
020-040	5.3	1.6										6.9	3.5	3.0
050-070	6.0	2.0	.2									8.3	3.8	3.0
(E) 080-100	1.7	.4	.3									2.5	4.4	4.0
110-130	2.7	.3	.1									3.1	3.2	3.0
140-160	3.8	.4										4.2	2.9	2.0
(S) 170-190	7.3	1.6	.3									9.2	3.4	2.5
200-220	10.6	4.5	1.0									16.1	4.1	4.0
230-250	2.8	1.3	.1									4.2	4.1	4.0
(W) 260-280	2.0	.5	.2									2.8	4.0	4.0
290-310	1.3	.4	.1									1.8	4.5	3.0
320-340	.5	.2										.8	3.3	3.0
VARIABLE														
CALM	////////////////////											37.6	////////	
TOTALS	45.7	13.6	2.6									100.0	2.4	3.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	2.2	1.0	.2	.0							3.5	4.4	4.0
020-040	5.6	4.1	.9	.1							10.6	5.0	4.0
050-070	5.3	4.5	1.2	.1							11.0	5.2	5.0
(E) 080-100	2.8	1.8	.2								4.8	4.5	4.0
110-130	2.3	.8	.1	.0							3.2	3.9	4.0
140-160	3.0	1.1	.1								4.2	3.8	3.0
(S) 170-190	4.2	1.6	.3	.0							6.2	4.1	4.0
200-220	7.8	4.4	.7								12.8	4.4	4.0
230-250	4.7	4.2	.5	.0							9.5	5.0	5.0
(W) 260-280	3.0	2.1	.4	.0							5.5	4.9	4.0
290-310	2.3	1.1	.1								3.5	4.2	4.0
320-340	1.6	.6	.0								2.3	3.7	3.5
VARIABLE													
CALM	////////////////////										22.9	////////	
TOTALS	44.8	27.3	4.7	.2							100.0	3.6	4.0
TOTAL NUMBER OF OBSERVATIONS 7440													

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	2.1	1.2	1.0	.1								4.5	6.1	5.0
020-040	5.5	7.0	2.1	.9								15.6	6.3	6.0
050-070	7.5	7.5	2.1									17.1	5.5	5.0
(E) 080-100	3.1	2.8	.6									6.6	5.0	5.0
110-130	2.1	.7										2.8	3.6	3.0
140-160	2.2	.4	.4									3.1	4.0	3.0
(S) 170-190	4.0	1.5	.4	.1								6.1	4.7	4.0
200-220	5.8	3.3	.6									9.7	4.8	4.0
230-250	3.3	2.5										5.8	4.3	4.0
(W) 260-280	2.4	.7	.4									3.6	4.7	4.0
290-310	1.8	.7										2.5	4.2	4.0
320-340	2.1	.1										2.2	2.8	2.0
VARIABLE														
CALM	////////////////////////////////////											20.1	////////	
TOTALS	41.9	28.4	7.6	1.1								100.0	4.1	4.0

TOTAL NUMBER OF OBSERVATIONS 667

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	1.0	.1									2.6	4.9	4.0
020-040	13.4	6.4	.9									20.8	4.4	4.0
050-070	6.2	3.2	.8									10.2	4.5	4.0
(E) 080-100	1.7	.7		.1	.1							2.6	5.1	3.0
110-130	.9			.1								1.0	3.3	2.0
140-160	.4											.4	1.5	1.5
(S) 170-190	1.4	.4	.1									2.0	3.7	3.0
200-220	8.6	1.9	.2									10.7	3.4	2.0
230-250	3.0	.9	.1									4.0	3.6	3.5
(W) 260-280	1.0	.4	.1									1.6	4.6	4.0
290-310	1.6	.3										1.9	3.3	3.0
320-340	1.0	.3	.1									1.4	4.7	4.0
VARIABLE														
CALM	////////////////////											40.9	////////	
TOTALS	40.6	15.5	2.4	.2	.1							100.0	2.5	4.0
TOTAL NUMBER OF OBSERVATIONS 900														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LS1 TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 03-05

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.3	1.7	.2									5.2	4.2	4.0
020-040	13.2	9.8	1.2									24.2	4.9	4.0
050-070	6.9	3.4	1.0									11.3	4.5	4.0
(E) 080-100	1.6	.1										1.7	2.7	2.0
110-130	.6			.1								.7	4.7	2.0
140-160	.2	.1		.2								.6	9.4	7.0
(S) 170-190	1.2	.3										1.6	3.1	2.0
200-220	6.7	1.2										7.9	3.2	3.0
230-250	2.4	1.1	.1									3.7	3.9	4.0
(W) 260-280	2.4	.9										3.3	3.5	4.0
290-310	1.4	.7										2.1	3.7	3.0
320-340	.7	1.0										1.7	4.7	5.0
VARIABLE														
CALM	////////////////////											36.1	////////////////	
TOTALS	40.6	20.3	2.5	.3								100.0	2.7	4.0
TOTAL NUMBER OF OBSERVATIONS: 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 06-08

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.9	2.4	.1									5.4	4.7	4.0
020-04	11.4	12.7	2.1									26.2	5.3	5.0
050-070	8.1	7.0	2.0									17.1	5.2	5.0
(E) 080-100	1.9	.1										2.0	2.8	2.5
110-130	.4											.4	2.5	2.0
140-160	.3	.1										.4	3.8	3.5
(S) 170-190	1.0	.3		.2								1.6	5.0	3.0
200-220	6.0	2.1		.1								8.2	3.9	4.0
230-250	3.6	1.9										5.4	4.4	4.0
(W) 260-280	2.4	.8										3.2	3.4	3.0
290-310	2.1	1.0										3.1	4.1	4.0
320-340	.9	.6	.2									1.7	4.8	4.0
VARIABLE														
CALM	////////////////////////////////////											25.1	////////	
TOTALS	41.0	29.0	4.4	.3								100.0	3.6	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION NAME  
USAFETAC, ASHEVILLE-NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AIR SC  
LST TO UIC: 4-5

PERIOD OF RECORD: APR 79 - MAR 80  
MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-64	GE 65			
(N) 350-010	1.7	1.8	.6										4.0	5.5	5.0
020-040	3.6	7.9	5.2	.3									17.0	7.7	8.0
050-070	6.6	14.6	4.9	.7									26.7	7.0	7.0
(E) 080-100	3.3	3.8	.8										7.9	5.5	5.0
110-130	2.0	.6											2.6	3.3	3.0
140-160	.9	.1											1.0	3.1	3.0
(S) 170-190	1.6	.8	.2										2.6	4.2	3.0
200-220	2.9	2.3	.7	.1									6.0	5.2	5.0
230-250	4.4	4.0	.9	.1									9.4	5.2	5.0
(W) 260-280	3.9	3.2	.7										7.8	5.1	4.5
290-310	3.3	2.0	.1										5.4	4.2	4.0
320-340	1.9	.9											2.8	3.8	3.0
VARIABLE															
CALM	////////////////////												6.9	////////	
TOTALS	36.1	42.0	14.1	1.2									100.0	5.6	6.0
TOTAL NUMBER OF OBSERVATIONS 900															

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	1.7	.8									5.7	4.8	4.0
020-040	4.0	7.8	4.8	.3	.1							17.0	7.5	8.0
050-070	4.9	11.8	3.8		.1							20.6	6.7	6.0
(E) 080-100	3.4	4.0	.4									7.9	5.3	5.0
110-130	2.8	2.3	.1									5.2	4.6	4.0
140-160	2.4	.8	.2	.1								3.6	4.3	3.0
(S) 170-190	1.4	1.2	.1									2.8	4.6	4.0
200-220	3.1	3.0	1.0									7.1	5.6	5.0
230-250	5.4	3.2	1.7	.1								10.4	5.4	4.0
(W) 260-280	2.4	3.2	.7	.1								6.4	5.5	5.0
290-310	3.6	2.0	.2									5.8	4.3	4.0
320-340	2.9	2.1	.3									5.3	4.8	4.0
VARIABLE														
CALM	////////////////////											2.2	////////	
TOTALS	39.5	43.1	14.1	.6	.2							100.0	5.7	5.0
TOTAL NUMBER OF OBSERVATIONS 500														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	2.4	.9									6.6	5.4	5.0
020-040	3.0	8.6	2.6	.1	.2							14.4	7.0	7.0
050-070	5.8	9.7	2.0									17.4	6.0	6.0
(E) 080-100	3.3	3.9	.9									8.1	5.5	5.0
110-130	4.0	2.4										6.4	4.0	4.0
140-160	3.0	1.4	.1									4.6	3.9	4.0
(S) 170-190	3.0	1.0	.3	.1	.1							4.6	4.8	4.0
200-220	4.1	3.8	1.0	.1								9.0	5.4	5.0
230-250	3.6	4.1	.4									8.1	5.2	5.0
(W) 260-280	2.7	2.7	.3									5.7	5.2	5.0
290-310	3.4	1.8		.1								5.3	4.7	4.0
320-340	3.4	2.8	.2									6.4	4.6	4.0
VARIABLE														
CALH	////////////////////											3.3	////////	
TOTALS	42.5	44.6	8.7	.4	.3							100.0	5.3	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AIR SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.3	1.1	.1									5.6	3.3	2.0
020-040	8.4	5.8	2.1		.1							16.4	5.4	4.0
050-070	8.0	3.0	.7	.2	.2							12.1	5.1	4.0
(E) 080-100	3.7	1.3	.2									5.2	3.8	3.0
110-130	3.9	.6										4.4	2.8	2.0
140-160	3.7	.7	.2									4.6	3.4	2.0
(S) 170-190	4.3	1.6	.1									6.0	3.5	3.0
200-220	5.8	1.8	.1									7.7	3.5	3.0
230-250	1.4	1.3	.1									2.9	4.3	4.5
(W) 260-280	1.1	.6										1.7	3.6	4.0
290-310	.9	.3										1.2	4.2	3.0
320-340	2.8	.8										3.6	3.2	3.0
VARIABLE														
CALM	////////////////////											28.7	////////	
TOTALS	48.3	18.9	3.6	.2	.3							100.0	3.0	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	1.1										3.2	3.9	4.0
020-040	8.8	5.8	1.3									15.9	4.9	4.0
050-070	7.8	3.1	.8	.3								12.0	4.6	3.0
(E) 080-100	1.3	.1										1.4	3.0	3.0
110-130	1.6											1.6	2.6	2.5
140-160	3.0	.2										3.2	2.4	2.0
(S) 170-190	3.4	.6	.2									4.2	3.7	3.5
200-220	5.9	2.2										8.1	3.6	3.0
230-250	1.2	.8	.1									2.1	4.2	4.0
(W) 260-280	1.1	.3										1.4	3.7	4.0
290-310	1.0	.3										1.3	3.5	3.5
320-340	2.0	.3	.1									2.4	3.8	4.0
VARIABLE														
CALM	////////////////////											43.0	////	////
TOTALS	39.2	14.8	2.5	.3								100.0	2.4	4.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	1.7	.3									4.8	4.6	4.0
020-040	8.2	8.1	2.5	.1	.1							19.0	5.8	5.0
050-070	6.8	7.0	2.0	.2	.0							15.9	5.7	5.0
(E) 080-100	2.5	1.8	.3	.0	.0							4.6	4.8	4.0
110-130	2.0	.7	.0	.0								2.8	3.7	3.0
140-160	1.8	.4	.1	.0								2.3	3.7	3.0
(S) 170-190	2.2	.8	.1	.0	.0							3.2	4.0	3.0
200-220	5.4	2.3	.4	.0								8.1	4.2	3.0
230-250	3.1	2.2	.4	.0								5.8	4.8	4.0
(W) 260-280	2.1	1.5	.2	.0								3.9	4.7	4.0
290-310	2.2	1.1	.0	.0								3.3	4.2	4.0
320-340	1.9	1.1	.1									3.2	4.3	4.0
VARIABLE														
CALM	////////////////////												////////////////	
TOTALS	41.0	28.7	6.4	.3	.1							105.0	3.8	4.0

TOTAL NUMBER OF OBSERVATIONS 7200



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	2.6	.6									3.8	6.6	6.0
020-040	6.9	14.3	9.1	.3	.4							31.0	7.7	8.0
050-070	8.5	10.0	4.2	.9	.3							23.9	6.7	6.0
(E) 080-100	2.9	1.3	.6	.1	.1							5.1	5.3	4.0
110-130	2.2	.7		.2								3.1	4.3	3.5
140-160	1.7	.2		.2								2.1	4.6	4.0
(S) 170-190	1.7	1.5	.4	.3								3.9	6.1	6.0
200-220	3.1	1.7	.4	.2								5.5	5.4	4.0
230-250	1.7	.4	.1	.1								2.4	4.8	4.0
(W) 260-280	1.3	.7										2.0	3.6	3.5
290-310	1.3	.2										1.6	3.3	3.0
320-340	1.5	.2										1.7	3.1	3.0
VARIABLE														
CALM	////////////////////											13.8	////////	
TOTALS	33.5	33.8	15.4	2.3	.8							100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 890

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 00-02

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.7	1.5	.4									4.6	4.4	4.0
020-040	11.0	6.5	2.4	.1								19.9	5.2	4.0
050-070	4.9	3.7	1.0	.1								9.7	5.0	4.0
(E) 080-100	1.0	.4	.1									1.5	4.3	4.0
110-130	.3											.3	1.7	2.0
140-160	1.0											1.0	3.0	3.0
(S) 170-190	1.4	.5										1.9	3.6	4.0
200-220	4.3	2.8										7.1	4.2	4.0
230-250	1.4	1.1	.1									2.6	4.8	4.0
(W) 260-280	1.4	.8										2.2	4.3	4.0
290-310	2.5	2.0										4.5	4.5	4.0
320-340	1.2	1.6										2.8	4.9	5.0
VARIABLE														
CALM	////////////////////////////////////											41.9	////////////////////////////////	
TOTALS	33.1	20.9	4.0	.2								100.0	2.8	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.6	2.3	.1									8.0	3.9	4.0
020-040	10.2	9.1	2.7									22.0	5.3	5.0
050-070	4.7	3.7	1.3									9.7	5.4	5.0
(E) 080-100	.8	.3	.1									1.2	4.3	2.0
110-130														
140-160	.3	.1										.4	3.0	2.5
(S) 170-190	1.0	.2										1.2	3.4	3.0
200-220	4.4	2.0										6.5	3.7	3.5
230-250	1.9	1.8	.2									4.0	4.9	5.0
(W) 260-280	1.3	1.2	.1									2.6	4.8	4.5
290-310	2.5	1.8	.1									4.4	4.5	4.0
320-340	2.2	1.9										4.1	4.0	4.0
VARIABLE														
CALM	////////////////////											36.0	////////	
TOTALS	34.9	24.4	4.6									100.0	3.0	4.0

TOTAL NUMBER OF OBSERVATIONS: 930

OPERATING LOCATION: "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.4	3.9	.5									9.8	4.8	4.0
020-040	10.9	11.9	2.7	.1								25.6	5.6	5.0
050-070	5.8	5.1	1.9	.1								12.9	5.6	5.0
(E) 080-100	1.0	.2										1.2	3.3	3.0
110-130	.4											.4	2.8	2.5
140-160	.4	.1										.5	2.6	2.0
(S) 170-190	1.5	.2										1.7	3.2	2.5
200-220	2.9	1.5	.2									4.6	3.9	4.0
230-250	1.5	1.9	.8									4.2	6.0	6.0
(W) 260-280	2.2	.9	.2									3.2	4.6	4.0
290-310	1.2	1.7										2.9	5.1	6.0
320-340	2.6	1.6										4.2	4.1	4.0
VARIABLE														
CALM	////////////////////											28.7	////////	
TOTALS	35.8	29.0	6.3	.2								100.0	3.6	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	4.4	1.1	.1								6.8	6.9	7.0
020-040	4.3	13.0	5.7	.5	.1							23.7	7.6	7.5
050-070	5.8	9.6	6.3	.1	.1							21.9	7.2	7.0
(E) 080-100	4.6	2.3	.2									7.1	4.3	4.0
110-130	1.9	.5										2.5	3.5	3.0
140-160	1.1	.3	.1									1.5	4.0	3.0
(S) 170-190	1.6	.8	.1									2.5	4.0	3.0
200-220	1.8	3.7	.8									6.2	6.0	6.0
230-250	1.9	5.3	.9									8.1	6.3	6.0
(W) 260-280	2.2	2.7	1.4									6.2	6.5	6.0
290-310	2.4	.8	.3									3.4	4.3	3.0
320-340	1.7	1.5	1.0									4.2	6.3	7.0
VARIABLE														
CALM	////////////////////											5.9	////////	
TOTALS	30.5	44.9	17.9	.7	.2							100.0	6.1	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	2.0	3.7	1.2								6.9	6.2	6.0
020-040	3.9	9.1	4.8	.2							18.1	7.5	7.0
050-070	4.2	9.6	3.5	.3							17.6	7.1	7.0
(E) 080-100	3.3	2.4	.2								5.9	4.6	4.0
110-130	2.4	2.2	.2								4.7	4.2	4.5
140-160	2.6	1.0									3.5	3.5	3.0
(S) 170-190	1.2	1.5	.3								3.0	5.6	5.0
200-220	2.3	3.4	1.5	.2							7.4	6.7	6.0
230-250	3.2	4.2	1.7	.2							9.4	6.6	6.0
(W) 260-280	4.0	2.4	2.0								8.4	5.9	5.0
290-310	2.4	1.9	1.5								5.8	6.3	6.0
320-340	2.0	2.3	1.2								5.5	6.0	6.0
VARIABLE													
CALM	////////////////////										3.8	////	////
TOTALS	33.5	43.7	18.1	.9							100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	4.1	1.0	.1								7.6	6.1	6.0
020-040	4.4	9.7	3.5									17.6	6.8	7.0
050-070	3.9	6.9	2.4	.1								13.2	6.2	6.0
(E) 080-100	4.1	2.4	.6									7.1	4.7	4.0
110-130	2.9	1.2										4.1	3.7	3.0
140-160	2.9	1.1	.1									4.1	3.6	3.0
(S) 170-190	2.8	1.6	.5									4.9	5.1	4.0
200-220	3.7	2.9	1.1									7.6	5.4	5.0
230-250	4.3	3.3	1.3	.2								9.1	5.4	5.0
(W) 260-280	4.0	3.0	1.0									8.0	5.3	4.5
290-310	2.9	2.6	.6									6.1	5.4	5.0
320-340	2.9	1.8	.6									5.4	5.0	4.0
VARIABLE														
CALM	////////////////////											5.1	////////	
TOTALS	41.3	40.6	12.7	.4								100.0	5.3	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	3.4	2.4	.5	.1								6.5	5.0	4.0
020-040	8.4	5.3	2.0	.1								15.8	5.4	4.0
050-070	4.9	3.4	1.2									9.6	5.0	4.0
(E) 080-100	2.0	1.0	.1									3.1	3.9	4.0
110-130	1.4	.1										1.5	2.4	2.0
140-160	1.8	.3										2.2	3.3	2.5
(S) 170-190	1.9	1.1	.1									3.1	4.0	3.0
200-220	4.5	.8	.1									5.4	3.4	3.0
230-250	2.3	1.0	.3									3.5	4.8	4.0
(W) 260-280	1.9	2.0	.1									4.1	4.7	5.0
290-310	1.2	.8										1.9	3.7	3.0
320-340	3.3	1.1	.1									4.5	3.7	3.0
VARIABLE														
CALM	////////////////////////////////////											38.8	////////////////////////////////	
TOTALS	37.0	19.3	4.5	.2								100.0	2.8	4.0

TOTAL NUMBER OF OBSERVATIONS: 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT , HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	1.7	.5									4.7	5.1	4.0
020-040	9.4	6.2	1.9	.4								18.0	5.2	4.0
050-070	3.7	3.9	1.1									8.6	5.7	5.5
(E) 080-100	.8	.8										1.5	4.6	5.0
110-130	.4	.1										.5	3.4	3.0
140-160	1.3	.3										1.6	3.7	4.0
(S) 170-190	1.7	.4										2.2	3.3	3.0
200-220	5.5	1.1										6.6	3.3	3.0
230-250	1.3	1.6										2.9	5.0	5.0
(W) 260-280	2.3	1.6	.2									4.1	4.8	4.0
290-310	1.1	.2	.3									1.6	4.7	4.0
320-340	1.0	.4	.1									1.5	4.3	3.5
VARIABLE														
CALM	////////////////////////////////////											46.2	////////////////////////////////	
TOTALS	31.0	18.3	4.1	.4								100.0	2.6	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	3.2	3.0	.7	.0							6.9	5.3	5.0
020-040	7.8	8.9	3.2	.2	.0						20.1	6.1	6.0
050-070	4.7	5.7	2.3	.1	.0						12.9	6.2	6.0
(E) 080-100	2.2	1.2	.2								3.6	4.4	4.0
110-130	1.2	.5	.0								1.8	3.6	3.0
140-160	1.4	.4	.0								1.9	3.5	3.0
(S) 170-190	1.6	.8	.1								2.6	4.3	4.0
200-220	3.7	2.3	.5	.0							6.4	4.7	4.0
230-250	2.2	2.5	.7	.1							5.5	5.7	5.0
(W) 260-280	2.4	1.8	.6								4.8	5.3	5.0
290-310	2.0	1.5	.4								3.8	5.0	4.0
320-340	2.1	1.5	.4								4.0	4.9	4.0
VARIABLE													
CALM	////////////////////										25.8	////////	
TOTALS	34.5	30.1	9.1	.4							100.0	4.0	5.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	3.7	.8									6.2	6.3	6.0
020-040	6.6	18.0	8.6	.1								33.4	7.5	8.0
050-070	4.3	8.9	6.5	.4								20.1	7.6	8.0
(E) 080-100	1.6	1.3	.1									3.0	4.4	4.0
110-130	.9	.3										1.1	3.2	4.0
140-160	1.5	.9	.1									2.5	4.7	4.0
(S) 170-190	2.2	1.3										3.4	4.3	4.0
200-220	1.9	2.0	.1									4.1	4.5	5.0
230-250	1.9	1.8										3.7	5.1	4.0
(W) 260-280	1.5	1.0	.1									2.7	4.8	4.0
290-310	.8	2.4	.3									3.4	6.3	6.0
320-340	1.4	1.5	.4									3.3	5.8	5.0
VARIABLE														
CALM	////////////////////											13.1	////////	
TOTALS	26.4	43.1	17.0	.5								100.0	5.8	6.0

TOTAL NUMBER OF OBSERVATIONS 788

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	3.1	.6									6.4	5.1	5.0
020-040	8.7	7.2	1.3	.1								17.3	5.1	4.5
050-070	3.6	2.9	1.6									8.0	6.0	6.0
(E) 080-100	.3	.7										1.0	5.4	6.0
110-130	.6	.7										1.2	5.0	5.0
140-160	1.2	.8										2.0	4.5	4.0
(S) 170-190	1.2	.4	.3									2.0	5.2	4.0
200-220	3.7	1.9	.2									5.8	3.9	3.0
230-250	1.0	2.0	.7									3.7	6.4	6.0
(W) 260-280	2.9	2.1	.1	.1								5.2	5.1	4.0
290-310	2.8	1.7	.2	.1								4.8	4.5	4.0
320-340	2.0	2.0	.1									4.1	4.5	5.0
VARIABLE														
CALM	////////////////////////////////////											38.4	////////	
TOTALS	30.8	25.5	5.1	.3								100.0	3.1	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.0	3.9	.6									7.4	5.1	5.0
020-040	8.7	6.2	3.1	.1								18.1	5.6	5.0
050-070	3.7	2.7	1.3	.2								7.9	6.0	6.0
(E) 080-100	.9	.3	.2									1.4	5.0	4.0
110-130	.9	.2	.1									1.2	4.2	4.0
140-160	1.0	.3										1.3	3.9	4.0
(S) 170-190	1.1	1.1										2.2	4.5	4.5
200-220	2.9	2.0	.3	.1								5.3	5.2	4.0
230-250	2.7	2.0	.6									5.2	5.0	4.0
(W) 260-280	1.9	2.1	.2									4.2	5.4	5.0
290-310	2.8	2.3	.4									5.6	5.0	4.5
320-340	3.0	1.7										4.7	3.8	4.0
VARIABLE														
CALM	////////////////////////////////////											35.3	////////////////////////////////	
TOTALS	32.6	24.8	6.8	.4								100.0	3.4	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	3.3	.6									5.7	6.3	6.0
020-040	7.7	8.8	3.2	.2								19.9	5.9	6.0
050-070	5.0	4.2	1.1									10.3	5.2	5.0
(E) 080-100	.9	.6										1.4	4.6	4.0
110-130	.8	.4	.1									1.3	4.6	4.0
140-160	1.2	.3	.1									1.7	4.2	4.0
(S) 170-190	1.4	.9	.6									2.9	5.6	4.5
200-220	2.3	1.0	.6									3.9	4.9	4.0
230-250	2.3	2.6	.4									5.3	5.5	5.0
(W) 260-280	2.0	2.1	.6									4.7	5.5	6.0
290-310	4.2	2.8	.1									7.1	4.4	4.0
320-340	2.2	1.2	.2									3.7	4.8	4.0
VARIABLE														
CALM	////////////////////											32.1	////////	
TOTALS	31.8	28.2	7.6	.2								100.0	3.7	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION: "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	2.8	2.1									7.4	6.4	6.0
020-040	4.4	6.4	5.9	.2	.3							17.3	7.9	8.0
050-070	6.6	8.4	4.4	.1								19.6	6.6	6.0
(E) 080-100	3.3	2.0	.1									5.4	4.3	4.0
110-130	1.8	.9										2.7	3.8	3.5
140-160	1.8	.8	.1	.1								2.8	5.2	4.0
(S) 170-190	1.7	.9	.8									3.3	5.7	4.5
200-220	2.3	2.7	1.9	.1								7.0	6.6	6.0
230-250	1.8	4.4	3.1	.1								9.4	7.6	8.0
(W) 260-280	1.7	3.3	1.4	.1								6.6	6.8	7.0
290-310	1.3	3.4	1.2	.2								6.2	7.1	7.0
320-340	1.0	2.2	.2									3.4	5.8	6.0
VARIABLE														
CALM	////////////////////											8.8	////////	
TOTALS	30.3	38.2	21.2	.9	.3							100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	3.3	2.1	.1								8.1	6.7	6.0
020-040	3.3	6.8	5.2	.2								15.6	7.8	8.0
050-070	4.2	5.9	2.1									12.2	6.1	6.0
(E) 080-100	2.1	1.6	.1									3.8	4.7	4.0
110-130	2.1	1.3	.1									3.6	4.1	4.0
140-160	2.1	1.4	.2									3.8	4.8	4.0
(S) 170-190	1.3	2.6	1.1		.1							5.1	7.0	6.0
200-220	2.2	3.9	2.1	.4	.1							8.8	7.7	7.0
230-250	2.1	6.2	2.7	.6								11.6	7.6	7.0
(W) 260-280	3.3	3.6	2.9	.7								10.4	7.1	6.5
290-310	1.9	3.3	1.8	.2								7.2	7.3	7.0
320-340	1.8	3.7	.9	.1								6.4	6.6	6.0
VARIABLE														
CALM	////////////////////											3.4	////////	
TOTALS	29.0	43.6	21.3	2.3	.2							100.0	6.6	7.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	3.9	.9									7.4	6.0	6.0
020-040	4.3	6.7	2.8									13.8	6.5	6.0
050-070	4.0	5.1	1.1									10.2	5.6	5.0
(E) 080-100	3.1	1.8	.1									5.0	4.3	4.0
110-130	3.4	1.0	.4									4.9	3.9	3.5
140-160	2.3	1.0	.6									3.9	4.8	4.0
(S) 170-190	3.3	2.6	.9									6.8	5.2	5.0
200-220	3.6	3.2	1.2	.3								8.3	6.4	6.0
230-250	3.3	4.3	1.3	.1								9.1	6.2	6.0
(W) 260-280	3.6	3.9	1.7	.3								9.4	6.6	6.0
290-310	3.2	3.1	1.2	.2								7.8	6.2	5.0
320-340	2.7	2.4	.9									6.0	5.8	5.0
VARIABLE														
CALM	////////////////////											7.3	////////	
TOTALS	39.5	39.0	13.1	.9								100.0	5.4	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	3.7	.1									6.9	4.8	5.0
020-040	5.9	4.6	1.1									11.6	5.1	4.0
050-070	4.0	3.6	1.0	.1								8.7	5.7	5.0
(E) 080-100	1.2	.4										1.7	3.3	2.0
110-130	1.7	.7	.1									2.4	3.5	2.5
140-160	1.7	.7	.1									2.4	4.0	3.0
(S) 170-190	2.2	1.1	.4									3.8	4.9	4.0
200-220	4.7	1.4	.1									6.2	3.5	3.0
230-250	2.3	1.2	.4									4.0	4.5	3.0
(W) 260-280	3.9	2.1	.2									6.2	4.5	4.0
290-310	3.0	.8	.1									3.9	3.5	3.0
320-340	2.4	1.1	.1									3.7	4.1	4.0
VARIABLE														
CALM	////////////////////											38.6	////////	
TOTALS	36.1	21.4	3.7	.1								100.0	2.8	4.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	2.8	.6									4.6	6.2	6.0
020-040	6.9	5.3	1.8									14.0	5.3	5.0
050-070	4.6	3.4	1.2	.2								9.4	5.6	5.0
(E) 080-100	.6	.8	.1									1.4	5.8	6.0
110-130	.8	.6		.1								1.4	5.0	4.0
140-160	1.2	.7	.2									2.1	4.3	3.0
(S) 170-190	1.4	1.6	.4									3.4	5.8	6.0
200-220	3.8	.9	.4									5.1	4.3	4.0
230-250	1.2	2.2	.4									3.9	6.1	6.0
(W) 260-280	1.4	2.9	.4									4.8	5.7	5.0
290-310	2.7	1.7	.3									4.7	4.7	4.0
320-340	1.6	1.6										3.1	4.6	4.5
VARIABLE														
CALM	////////////////////////////////////											42.0	////////////////////////////////	
TOTALS	27.4	24.5	5.8	.3								100.0	3.1	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64			
											%	WIND	WIND
(N) 350-010	2.5	3.3	.9	.0							6.7	5.8	6.0
020-040	6.2	6.5	3.1	.1	.0						15.9	6.2	6.0
050-070	4.4	4.5	1.7	.1							10.8	5.9	5.0
(E) 080-100	1.6	1.0	.1								2.7	4.5	4.0
110-130	1.5	.7	.1	.0							2.3	4.1	4.0
140-160	1.6	.8	.2	.0							2.5	4.6	4.0
(S) 170-190	1.7	1.4	.6		.0						3.7	5.6	5.0
200-220	3.2	2.1	.9	.1	.0						6.3	5.5	4.0
230-250	2.1	3.1	1.2	.1							6.5	6.5	6.0
(W) 260-280	2.6	2.8	.9	.2							6.4	6.0	6.0
290-310	2.7	2.4	.7	.1							5.9	5.5	5.0
320-340	2.1	2.0	.3	.0							4.4	5.2	5.0
VARIABLE													
CALM	////////////////////////////////////										25.8	////////////////////////////////	
TOTALS	32.2	30.6	10.7	.7							100.0	4.3	5.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	2.5	8.1	.9	.1							11.7	6.2	6.0
020-040	5.2	8.0	6.1	.6	.3						20.3	7.6	8.0
050-070	5.0	8.0	3.4	.4							16.9	6.9	6.0
(E) 080-100	1.5	2.6	.3								4.4	5.6	6.0
110-130	1.7	1.7	.3	.1							3.8	5.3	5.0
140-160	1.7	1.4	.1								3.2	4.6	4.0
(S) 170-190	1.5	.9	.7								3.1	6.3	5.0
200-220	2.6	1.9	1.1								5.6	5.8	5.0
230-250	2.1	2.2	.9	.2							5.4	6.1	5.0
(W) 260-280	2.2	1.3	.4	.1							4.0	5.1	4.0
290-310	2.1	2.3	.2								4.6	5.0	5.0
320-340	2.1	2.3	.3	.1							4.8	5.5	5.0
VARIABLE													
CALM	////////////////////////////////////										12.1	////////////////////////////////	
TOTALS	30.2	40.7	14.7	1.6	.3						100.0	5.6	6.0
TOTAL NUMBER OF OBSERVATIONS 995													

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.3	3.8	1.1	.1								8.3	5.9	5.0
020-040	6.6	5.8	1.6	.5								14.5	5.9	5.0
050-070	2.6	1.7	1.0	.1								5.4	5.9	5.0
(E) 080-100	.8	.3										1.1	3.6	3.0
110-130	.3	.2										.5	3.8	4.0
140-160	.2	.2										.4	3.3	3.5
(S) 170-190	.8	1.4	.3									2.5	6.4	7.0
200-220	3.9	1.4	1.0									6.2	4.8	4.0
230-250	2.9	2.8	.9									6.6	5.7	6.0
(W) 260-280	2.3	3.3	1.0									6.6	6.0	6.0
290-310	3.8	1.8	.3									5.9	4.5	4.0
320-340	2.5	2.5	.3									5.3	4.6	5.0
VARIABLE														
CALM	////////////////////											36.8	////////	
TOTALS	30.0	25.2	7.5	.7								100.0	3.5	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 03-05

WIND SPEED IN KNOTS														
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.0	3.8	1.5	.2								9.5	6.1	5.5
020-040	7.0	5.8	2.9	.4								16.1	6.0	5.0
050-070	1.9	2.5	.6	.1								5.2	5.7	6.0
(E) 080-100	.6	.1										.8	2.9	2.0
110-130	.6	.1										.8	2.9	3.0
140-160	.4	.1										.5	2.8	2.0
(S) 170-190	1.3	.5	.1									1.9	4.1	3.0
200-220	3.5	1.6	.6									5.8	4.9	4.0
230-250	2.2	3.2	.6									6.0	6.1	7.0
(W) 260-280	3.3	3.9	.9									8.1	5.8	5.0
290-310	3.8	2.3	.2									6.2	4.1	4.0
320-340	3.4	1.3	.1									4.8	3.5	3.0
VARIABLE														
CALM	////////////////////											34.3	////////	
TOTALS	32.0	25.2	7.5	.7								100.0	3.5	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	4.8	3.2	1.3	.2								9.6	5.4	4.0
020-040	5.5	7.8	2.4	.6	.2							16.6	6.6	6.0
050-070	3.0	2.2	.6	.3								6.1	5.9	5.0
(E) 080-100	1.3	.1										1.4	2.5	2.0
110-130	.3	.2										.5	3.2	3.0
140-160	.2											.2	2.5	2.5
(S) 170-190	1.2	.3	.2									1.7	3.9	2.5
200-220	4.5	1.9	.5									7.0	4.2	3.0
230-250	1.8	3.7	.9									6.3	6.0	6.0
(W) 260-280	2.5	4.2	.6									7.3	5.8	6.0
290-310	4.4	1.1	.1	.1								5.7	3.9	4.0
320-340	4.0	1.2		.1								5.3	3.9	3.0
VARIABLE														
CALM	////////////////////////////////////											32.3	////////////////////////////////	
TOTALS	33.5	25.9	6.6	1.3	.2							100.0	3.6	5.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	2.7	2.2	.6	.2							7.3	8.5	8.0
020-040	4.0	7.1	5.1	1.1	.2	.1						17.5	8.2	8.0
050-070	4.5	4.6	2.8	.4		.1						12.5	6.9	6.0
(E) 080-100	1.8	1.1	.2									3.1	4.5	4.0
110-130	.8	.8	.1									1.6	4.2	5.0
140-160	1.2	.3	.1									1.6	3.5	2.0
(S) 170-190	1.9	1.0	.5									3.4	4.9	4.0
200-220	3.9	3.5	1.6	.2								9.2	6.1	6.0
230-250	1.9	5.4	2.5	.1								9.9	7.4	7.0
(W) 260-280	1.5	4.8	1.9	.1								8.4	7.3	7.0
290-310	4.4	2.6	1.5	.4								8.9	6.1	5.0
320-340	1.8	1.5	1.0	.1								4.4	6.0	6.0
VARIABLE														
CALM	////////////////////////////////////											12.0	////////////////////////////////	
TOTALS	29.3	35.4	19.5	3.0	.4	.2						100.0	6.1	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	1.5	2.3	2.3	.8								6.8	8.3	8.0
020-040	3.5	4.4	5.4	.6	.2							14.2	8.2	8.0
050-070	4.2	3.8	1.7	.1								9.8	6.0	5.0
(E) 080-100	2.4	1.3	.1									3.8	4.1	4.0
110-130	1.7	.9	.1	.1								2.8	4.2	3.0
140-160	1.6	.4	.4									2.5	4.8	4.0
(S) 170-190	2.3	2.2	1.4	.1								5.9	6.5	5.0
200-220	1.8	5.5	3.3	.4	.1							11.2	8.1	7.0
230-250	2.8	6.1	3.3	.4	.1							12.8	7.7	8.0
(W) 260-280	2.4	4.9	2.3	.6	.1							10.3	7.7	7.0
290-310	2.5	2.3	1.6	.2								6.6	6.6	6.0
320-340	2.6	2.2	1.5	.6	.1							7.0	7.2	6.0
VARIABLE														
CALM	////////////////////////////////////										6.5	////////		
TOTALS	29.3	36.3	23.4	3.9	.6							100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	3.5	1.6	.3								7.7	7.0	6.0
020-040	4.2	4.2	3.3	.5								12.3	7.0	7.0
050-070	4.8	1.9	.9	.2								7.8	5.1	4.0
(E) 080-100	1.8	1.0	.1	.1								3.0	4.1	4.0
110-130	2.7	.6	.1	.1								3.5	4.0	3.0
140-160	1.2	.5	.2									1.9	4.4	4.0
(S) 170-190	3.4	1.7	.6	.1								5.9	5.3	4.0
200-220	3.4	6.1	2.0									11.6	6.6	6.0
230-250	3.1	6.2	2.7	.3	.1							12.5	7.1	6.0
(W) 260-280	4.1	3.8	2.0	.1								10.0	6.1	6.0
290-310	3.1	2.6	1.3	.4	.1							7.5	6.7	6.0
320-340	2.3	2.5	1.4	.6								6.8	7.4	7.0
VARIABLE														
CALM	////////////////////											9.4	////////	
TOTALS	36.4	34.6	16.2	2.7	.2							100.0	5.7	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	3.5	1.3									8.0	5.9	6.0
020-040	5.8	4.4	1.0	.4								11.6	5.5	4.5
050-070	3.0	1.6	.5									5.2	4.7	4.0
(E) 080-100	1.7	.5	.1									2.4	3.5	3.0
110-130	.5	.1	.2									.9	5.3	4.0
140-160	1.3	.3										1.6	3.5	3.0
(S) 170-190	1.2	.5	.4	.1								2.3	5.5	3.0
200-220	6.9	1.9	.4									9.2	3.8	3.0
230-250	4.6	2.2	.3	.1								7.2	4.6	4.0
(W) 260-280	4.1	2.4	.6	.1	.3							7.5	5.7	4.0
290-310	2.3	1.8	.5									4.6	5.1	5.0
320-340	3.8	1.4	.5									5.7	4.5	4.0
VARIABLE														
CALM	////////////////////											33.9	////////	
TOTALS	38.3	20.6	5.8	.7	.3							100.0	3.3	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.0	2.9	1.8	.1								7.8	6.4	6.0
020-040	6.7	4.6	.8	.1								12.2	4.8	4.0
050-070	2.6	2.4	.8									5.7	5.4	5.0
(E) 080-100	.8	.3										1.1	3.1	2.0
110-130	.5	.1										.6	2.8	2.5
140-160	.6	.3	.1									1.1	4.7	3.5
(S) 170-190	1.2	1.0	.3									2.5	5.7	5.0
200-220	4.7	1.8	.5									7.1	4.3	3.0
230-250	3.4	3.0	.8									7.2	5.3	5.0
(W) 260-280	3.8	2.3	.8	.3								7.1	5.7	4.0
290-310	1.7	1.8	.4									4.0	5.6	5.0
320-340	1.9	1.9	.6									4.5	5.8	5.5
VARIABLE														
CALM	////////////////////////////////////											39.1	////////	
TOTALS	30.9	22.4	6.9	.5								100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	3.0	3.2	1.6	.3	.0							8.1	6.6	6.0
020-040	5.4	5.5	2.8	.6	.1	.0						14.4	6.6	6.0
050-070	3.3	2.6	1.1	.2		.0						7.2	5.9	5.0
(E) 080-100	1.4	.6	.1	.0								2.1	3.8	3.0
110-130	.9	.4	.1	.0								1.4	4.0	3.0
140-160	.8	.3	.1									1.2	4.1	3.5
(S) 170-190	1.7	1.1	.5	.0								3.3	5.5	4.0
200-220	4.1	3.0	1.3	.1	.0							8.4	5.6	5.0
230-250	2.8	4.1	1.5	.1	.0							8.6	6.5	6.0
(W) 260-280	3.0	3.7	1.3	.2	.1							8.2	6.3	6.0
290-310	3.2	2.0	.8	.1	.0							6.2	5.4	4.0
320-340	2.8	1.8	.7	.2	.0							5.5	5.5	4.0
VARIABLE														
CALM	////////////////////////////////////										25.5	////////		
TOTALS	32.4	28.3	11.9	1.8	.2							100.0	4.5	5.0
TOTAL NUMBER OF OBSERVATIONS 7440														

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE, NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	4.6	3.1	.6	.1							11.5	7.4	6.0
020-040	4.0	6.4	3.8	1.6	.4	.1						16.3	8.5	8.0
050-070	4.8	4.9	1.8	.9		.1						12.5	6.9	6.0
(E) 080-100	2.9	1.6	.2	.1								4.7	4.1	3.0
110-130	1.8	.8	.2									2.8	3.9	3.0
140-160	1.5	.8	.1									2.4	4.0	4.0
(S) 170-190	1.9	2.0	1.0									4.8	6.1	5.0
200-220	2.4	4.0	1.8	.1								8.3	6.8	7.0
230-250	1.6	2.0	.7									4.2	6.1	6.0
(W) 260-280	2.8	2.3	1.3		.1							6.4	6.3	5.0
290-310	2.6	1.1	.6									4.2	4.8	4.0
320-340	2.7	1.5										4.1	4.1	4.0
VARIABLE														
CALM	////////////////////											17.7	////////	
TOTALS	32.1	32.0	14.6	3.3	.6	.2						100.0	5.4	6.0

TOTAL NUMBER OF OBSERVATIONS 1016

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: ALL HOURS: ALL

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	2.6	2.4	.8	.1	.0							5.8	5.6	5.0
020-040	5.2	5.0	2.1	.2	.0	.0						12.6	6.1	5.0
050-070	4.1	4.1	1.4	.1	.0	.0						9.7	5.8	5.0
(E) 080-100	2.1	1.3	.2	.0	.0							3.6	4.6	4.0
110-130	1.7	.9	.1	.0								2.6	4.2	4.0
140-160	2.0	1.0	.2	.0	.0							3.3	4.5	4.0
(S) 170-190	2.9	1.9	.6	.1	.0	.0						5.4	5.3	4.0
200-220	5.2	3.5	1.1	.1	.0	.0						10.0	5.3	4.0
230-250	3.1	3.9	1.5	.2	.0	.0						8.8	6.4	6.0
(W) 260-280	2.7	3.2	1.3	.2	.0	.0						7.6	6.6	6.0
290-310	2.4	2.1	.7	.1	.0							5.3	5.7	5.0
320-340	2.1	1.8	.5	.0	.0	.0						4.4	5.4	5.0
VARIABLE														
CALM	////////////////////////////////////											20.8	////////////////////////////////	
TOTALS	36.1	31.1	10.5	1.1								100.0	4.5	5.0
TOTAL NUMBER OF OBSERVATIONS: 87667														



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).  
AND/OR  
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	4.7	1.6	.2	.0							9.2	6.7	.0
020-040	4.9	9.2	6.1	.9	.2	.0						21.3	7.9	8.0
050-070	4.9	7.2	3.4	.5	.1	.0						16.1	7.0	6.0
(E) 080-100	2.6	1.9	.4	.0	.0							4.9	4.9	4.0
110-130	1.9	1.0	.2	.0								3.2	4.4	4.0
140-160	1.8	1.2	.3	.0								3.3	4.8	4.0
(S) 170-190	2.3	1.8	.6	.1								4.8	5.6	5.0
200-220	3.2	2.8	.9	.1								7.0	5.6	5.0
230-250	2.2	2.4	.7	.1								5.3	6.0	5.0
(W) 260-280	1.9	1.7	.6	.0	.0							4.3	5.7	5.0
290-310	1.7	1.7	.4	.0	.0							3.8	5.6	5.0
320-340	1.8	1.8	.4	.1		.0						4.1	5.5	5.0
VARIABLE														
CALM	////////////////////											12.9	////////	
TOTALS	31.8	37.4	15.6	2.0	.3							100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS: 9526

PPPPPPP	AAAAA	RRRRRRR	TTTTTTTTT	DDDDDDD
PPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	DDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPP	AA AA	RRRRRRR	TT	DD DD
PPPPPPP	AAAAAAAA	RRRRRRR	TT	DD DD
PP	AAAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DDDDDDDD
PP	AA AA	RR RR	TT	DDDDDDDD

PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET-- "NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.  
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR  
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR

1/8 THRU 4/8.....SCATTERED

5/8 THRU 7/8.....BROKEN

8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN  
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"  
HOWEVER, ARE INCLUDED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.1	55.6	56.2	56.3	56.6	56.6	56.7	56.7	56.7	56.7	56.8	56.9	56.9	56.9	57.0	57.2
GE 20000	58.1	58.7	59.4	59.5	59.7	59.7	59.8	59.8	59.8	59.8	59.9	60.0	60.0	60.0	60.1	60.3
GE 18000	58.1	58.7	59.4	59.5	59.7	59.7	59.8	59.8	59.8	59.8	59.9	60.0	60.0	60.0	60.1	60.3
GE 16000	58.1	58.7	59.4	59.5	59.7	59.7	59.8	59.8	59.8	59.8	59.9	60.0	60.0	60.0	60.1	60.3
GE 14000	58.1	58.7	59.4	59.5	59.7	59.7	59.8	59.8	59.8	59.8	59.9	60.0	60.0	60.0	60.1	60.3
GE 12000	58.3	58.9	59.6	59.7	59.9	59.9	60.0	60.0	60.0	60.0	60.1	60.2	60.2	60.2	60.3	60.5
GE 10000	62.3	63.0	63.7	63.9	64.3	64.3	64.4	64.4	64.4	64.4	64.5	64.6	64.6	64.6	64.7	64.9
GE 9000	62.7	63.4	64.1	64.3	64.7	64.7	64.8	64.8	64.8	64.8	64.9	65.1	65.1	65.1	65.2	65.4
GE 8000	64.7	65.7	66.3	66.8	67.4	67.4	67.5	67.6	67.6	67.6	67.7	67.8	67.8	67.8	68.0	68.2
GE 7000	65.5	66.5	67.4	67.8	68.5	68.5	68.6	68.7	68.7	68.7	68.8	68.9	68.9	68.9	69.0	69.2
GE 6000	66.6	67.5	68.8	69.2	69.9	69.9	70.0	70.1	70.1	70.1	70.2	70.3	70.3	70.3	70.4	70.6
GE 5000	69.2	70.2	71.5	71.9	72.6	72.6	72.7	72.8	72.8	72.8	72.9	73.0	73.0	73.0	73.1	73.3
GE 4500	69.4	70.3	71.8	72.3	73.0	73.0	73.1	73.2	73.2	73.2	73.3	73.4	73.4	73.4	73.5	73.8
GE 4000	70.6	71.6	73.2	73.8	74.6	74.6	74.7	74.8	74.8	74.8	74.9	75.2	75.2	75.2	75.3	75.5
GE 3500	71.3	72.3	74.3	74.8	75.7	75.7	75.8	75.9	75.9	75.9	76.0	76.2	76.2	76.2	76.3	76.6
GE 3000	73.1	74.1	76.2	77.0	77.8	77.8	78.0	78.1	78.1	78.1	78.2	78.4	78.4	78.4	78.5	78.7
GE 2500	73.2	74.2	76.3	77.1	78.1	78.2	78.3	78.4	78.4	78.4	78.5	78.7	78.7	78.7	78.8	79.0
GE 2000	74.9	76.0	78.2	78.9	80.2	80.3	80.4	80.5	80.5	80.5	80.6	80.9	80.9	80.9	81.0	81.2
GE 1800	75.2	76.2	78.4	79.2	80.6	80.9	81.0	81.1	81.1	81.1	81.2	81.4	81.4	81.4	81.5	81.7
GE 1500	75.5	76.7	78.8	79.7	81.1	81.3	81.4	81.5	81.5	81.5	81.6	81.8	81.8	81.8	81.9	82.2
GE 1200	76.3	77.5	80.0	81.3	82.8	83.0	83.1	83.2	83.2	83.2	83.3	83.5	83.5	83.5	83.7	83.9
GE 1000	76.7	77.8	80.4	81.7	83.2	83.4	83.7	83.8	83.8	83.8	83.9	84.1	84.1	84.1	84.2	84.4
GE 900	76.7	77.8	80.5	81.8	83.3	83.5	84.0	84.1	84.1	84.1	84.2	84.4	84.4	84.4	84.5	84.7
GE 800	77.1	78.3	81.0	82.5	84.1	84.3	84.8	84.9	84.9	84.9	85.1	85.3	85.3	85.3	85.4	85.6
GE 700	77.3	78.5	81.5	83.2	85.3	85.5	86.2	86.3	86.3	86.3	86.5	86.7	86.7	86.7	86.8	87.0
GE 600	77.3	78.5	81.6	83.5	86.5	87.0	87.7	87.8	87.8	87.8	88.0	88.2	88.2	88.2	88.3	88.5
GE 500	77.3	78.5	82.0	84.6	88.0	88.7	89.7	89.9	89.9	89.9	90.0	90.2	90.2	90.2	90.3	90.5
GE 400	77.3	78.5	82.0	84.7	88.8	89.9	90.9	91.4	91.5	91.7	91.9	92.2	92.2	92.2	92.3	92.5
GE 300	77.3	78.5	82.3	84.9	89.6	90.8	92.9	93.8	94.1	94.4	94.9	95.2	95.2	95.2	95.3	95.5
GE 200	77.3	78.5	82.3	84.9	89.9	91.1	93.2	94.1	94.5	94.8	95.4	95.6	95.6	95.6	96.2	97.0
GE 100	77.3	78.5	82.3	84.9	89.9	91.1	93.2	94.1	94.6	94.9	95.5	95.7	95.8	95.8	96.8	98.7
GE 000	77.3	78.5	82.3	84.9	89.9	91.1	93.2	94.1	94.6	94.9	95.5	95.7	95.8	95.8	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.8	54.1	54.3	54.4	54.5	54.5	54.6	54.9	54.9	54.9	54.9	54.9	55.2	55.2	55.2	55.5
GE 20000	56.9	57.3	57.5	57.7	58.2	58.3	58.4	58.7	58.7	58.7	58.7	58.7	59.2	59.2	59.2	59.6
GE 18000	56.9	57.3	57.5	57.7	58.2	58.3	58.4	58.7	58.7	58.7	58.7	58.7	59.2	59.2	59.2	59.6
GE 16000	56.9	57.3	57.5	57.7	58.2	58.3	58.4	58.7	58.7	58.7	58.7	58.7	59.2	59.2	59.2	59.6
GE 14000	56.9	57.3	57.5	57.7	58.2	58.3	58.4	58.7	58.7	58.7	58.7	58.7	59.2	59.2	59.2	59.6
GE 12000	56.9	57.3	57.5	57.7	58.2	58.3	58.4	58.7	58.7	58.7	58.7	58.7	59.2	59.2	59.2	59.6
GE 10000	60.2	61.0	61.3	61.8	62.3	62.4	62.5	62.8	62.8	62.8	62.8	62.8	63.3	63.3	63.3	63.7
GE 9000	60.3	61.1	61.4	61.9	62.4	62.5	62.6	62.9	62.9	62.9	62.9	62.9	63.4	63.4	63.4	63.8
GE 8000	63.3	64.1	64.4	65.1	65.6	65.7	65.8	66.1	66.1	66.1	66.1	66.1	66.7	66.7	66.7	67.1
GE 7000	63.5	64.3	64.8	65.6	66.1	66.2	66.3	66.7	66.7	66.7	66.7	66.7	67.2	67.2	67.2	67.6
GE 6000	64.3	65.1	65.6	66.7	67.2	67.3	67.4	67.7	67.7	67.7	67.7	67.7	68.3	68.3	68.3	68.7
GE 5000	67.0	68.0	68.5	69.7	70.2	70.3	70.4	70.8	70.8	70.8	70.8	70.8	71.3	71.3	71.3	71.7
GE 4500	67.3	68.3	68.8	70.0	70.5	70.8	70.9	71.2	71.2	71.2	71.2	71.2	71.7	71.7	71.7	72.2
GE 4000	68.5	69.5	70.2	71.5	72.3	72.5	72.6	72.9	72.9	72.9	72.9	72.9	73.4	73.4	73.4	73.9
GE 3500	69.1	70.1	71.0	72.5	73.2	73.4	73.5	73.9	73.9	73.9	73.9	73.9	74.4	74.4	74.4	74.8
GE 3000	70.1	71.1	72.2	73.7	74.7	74.9	75.1	75.4	75.4	75.4	75.4	75.4	75.9	75.9	75.9	76.3
GE 2500	70.2	71.2	72.3	73.8	75.1	75.3	75.4	75.7	75.7	75.7	75.7	75.7	76.2	76.2	76.2	76.7
GE 2000	71.8	72.8	73.9	75.5	76.9	77.1	77.2	77.5	77.5	77.5	77.5	77.5	78.2	78.2	78.2	78.6
GE 1800	72.2	73.1	74.2	75.8	77.2	77.4	77.5	77.8	77.8	77.8	77.8	77.8	78.5	78.5	78.5	78.9
GE 1500	73.3	74.5	75.7	77.3	78.8	79.2	79.4	79.7	79.7	79.7	79.7	79.7	80.3	80.3	80.3	80.8
GE 1200	73.8	74.9	76.1	78.3	79.8	80.2	80.4	80.8	80.8	80.8	80.9	80.9	81.5	81.5	81.5	81.9
GE 1000	74.0	75.4	76.7	78.8	80.3	80.8	81.0	81.3	81.3	81.3	81.4	81.4	82.0	82.0	82.0	82.5
GE 900	74.0	75.4	77.0	79.2	80.8	81.2	81.1	81.8	81.8	81.8	81.9	81.9	82.6	82.6	82.6	83.0
GE 800	74.1	75.7	77.4	80.0	81.5	81.9	82.5	82.8	82.8	82.8	82.9	82.9	83.5	83.5	83.5	84.0
GE 700	74.1	75.8	77.5	80.1	81.8	82.3	83.0	83.4	83.4	83.4	83.5	83.5	84.2	84.2	84.2	84.6
GE 600	74.4	76.1	78.2	81.0	83.5	84.5	85.3	85.9	85.9	86.1	86.2	86.2	86.9	86.9	86.9	87.3
GE 500	74.4	76.5	78.6	81.7	85.7	86.9	87.8	88.7	88.7	89.1	89.4	89.4	90.0	90.0	90.0	90.4
GE 400	74.4	76.5	78.8	81.9	86.7	88.1	90.2	91.6	91.6	92.2	92.5	92.5	93.2	93.2	93.2	93.7
GE 300	74.4	76.5	78.9	82.3	87.5	89.1	91.9	93.3	93.3	94.2	94.6	94.6	95.5	95.5	95.5	95.9
GE 200	74.4	76.5	78.9	82.3	87.5	89.1	92.0	93.8	93.9	94.9	96.0	96.0	96.9	96.9	97.1	98.0
GE 100	74.4	76.5	78.9	82.3	87.5	89.1	92.0	93.8	93.9	95.1	96.2	96.2	97.2	97.2	97.7	99.7
GE 000	74.4	76.5	78.9	82.3	87.5	89.1	92.0	93.8	93.9	95.1	96.2	96.2	97.2	97.2	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.7	46.2	48.5	49.1	49.6	49.6	49.7	49.9	49.9	49.9	50.0	50.0	50.1	50.1	50.2	50.4
GE 20000	49.6	51.5	53.9	54.6	55.2	55.2	55.3	55.5	55.5	55.5	55.6	55.6	55.7	55.7	55.8	56.0
GE 18000	49.6	51.6	54.0	54.7	55.3	55.3	55.4	55.6	55.6	55.6	55.7	55.7	55.8	55.8	55.9	56.1
GE 16000	49.6	51.6	54.0	54.7	55.3	55.3	55.4	55.6	55.6	55.6	55.7	55.7	55.8	55.8	55.9	56.1
GE 14000	49.7	51.7	54.2	54.9	55.5	55.5	55.6	55.8	55.8	55.8	55.9	55.9	56.0	56.0	56.1	56.3
GE 12000	50.6	52.8	55.3	56.0	56.7	56.7	56.8	57.0	57.0	57.0	57.1	57.1	57.2	57.2	57.3	57.5
GE 10000	53.5	55.8	58.4	59.4	60.3	60.3	60.4	60.6	60.6	60.6	60.8	60.8	60.9	60.9	61.0	61.2
GE 9000	53.9	56.1	58.7	59.7	60.6	60.6	60.8	61.0	61.0	61.0	61.1	61.1	61.2	61.2	61.3	61.5
GE 8000	56.6	58.8	61.5	62.7	63.8	63.8	63.9	64.1	64.1	64.1	64.2	64.2	64.3	64.3	64.4	64.6
GE 7000	56.7	58.9	61.6	62.9	64.0	64.0	64.1	64.3	64.3	64.3	64.4	64.4	64.5	64.5	64.6	64.8
GE 6000	57.3	59.6	62.4	63.7	64.8	64.8	64.9	65.2	65.2	65.2	65.3	65.3	65.4	65.4	65.5	65.7
GE 5000	59.7	62.2	65.1	66.6	67.8	67.8	68.1	68.4	68.4	68.4	68.5	68.5	68.6	68.6	68.7	68.9
GE 4500	59.9	62.4	65.5	67.0	68.3	68.3	68.5	68.8	68.8	68.8	68.9	68.9	69.0	69.0	69.1	69.4
GE 4000	61.3	64.0	67.4	69.4	70.9	70.9	71.1	71.4	71.4	71.4	71.5	71.5	71.6	71.6	71.7	71.9
GE 3500	61.5	64.2	67.6	69.6	71.1	71.1	71.3	71.6	71.6	71.6	71.7	71.7	71.8	71.8	71.9	72.2
GE 3000	62.4	65.1	68.7	70.6	72.5	72.5	72.7	73.0	73.0	73.0	73.1	73.1	73.2	73.2	73.3	73.5
GE 2500	62.9	65.7	69.4	71.3	73.2	73.4	73.8	74.1	74.1	74.1	74.2	74.2	74.3	74.3	74.5	74.7
GE 2000	64.3	67.3	71.0	73.2	75.5	75.8	76.1	76.6	76.6	76.6	76.7	76.7	76.8	76.8	77.0	77.2
GE 1800	64.4	67.4	71.1	73.4	75.7	76.0	76.3	76.8	76.8	76.8	76.9	76.9	77.0	77.0	77.2	77.4
GE 1500	65.5	68.6	72.4	74.8	77.3	77.6	78.1	78.5	78.5	78.5	78.6	78.6	78.7	78.7	78.9	79.1
GE 1200	65.9	69.1	73.2	75.8	78.4	78.7	79.2	79.8	79.8	79.8	79.9	79.9	80.0	80.0	80.2	80.4
GE 1000	66.5	69.8	74.5	77.1	79.8	80.2	80.9	81.4	81.4	81.4	81.5	81.5	81.6	81.6	81.8	82.0
GE 900	66.5	69.8	74.5	77.3	80.2	80.8	81.4	81.9	81.9	81.9	82.0	82.0	82.2	82.2	82.4	82.6
GE 800	67.0	70.4	75.6	78.9	82.6	83.1	83.9	84.4	84.4	84.4	84.5	84.5	84.6	84.6	84.8	85.1
GE 700	67.1	70.5	75.7	79.1	83.1	84.1	84.9	85.6	85.6	85.7	85.8	85.8	86.0	86.0	86.2	86.5
GE 600	67.3	70.8	76.1	79.8	84.5	85.7	86.6	87.5	87.5	87.6	87.7	87.7	88.0	88.0	88.2	88.4
GE 500	67.4	71.2	77.1	81.5	87.0	88.3	89.9	91.1	91.3	91.4	91.5	91.5	91.7	91.7	91.9	92.2
GE 400	67.5	71.3	77.2	82.0	88.0	89.6	91.5	92.9	93.1	93.3	93.7	93.7	93.9	93.9	94.2	94.5
GE 300	67.5	71.3	77.3	82.2	88.6	90.2	92.3	94.0	94.2	94.4	94.9	94.9	95.4	95.4	95.8	96.1
GE 200	67.5	71.3	77.3	82.2	88.6	90.4	92.5	94.3	94.7	95.2	96.1	96.1	97.1	97.2	97.6	98.1
GE 100	67.5	71.3	77.3	82.2	88.6	90.4	92.7	94.5	94.9	95.4	96.7	96.7	97.6	97.7	98.8	100.0
GE 000	67.5	71.3	77.3	82.2	88.6	90.4	92.7	94.5	94.9	95.4	96.7	96.7	97.6	97.7	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.2	43.1	46.1	46.9	47.2	47.3	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 20000	44.7	48.9	52.2	53.1	53.5	53.7	53.8	53.8	53.8	53.9	53.9	53.9	53.9	53.9	54.0	54.0
GE 18000	44.8	49.0	52.3	53.2	53.7	53.8	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.1	54.1
GE 16000	44.8	49.0	52.3	53.2	53.7	53.8	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.1	54.1
GE 14000	45.6	49.8	53.0	54.0	54.4	54.5	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.8	54.8
GE 12000	47.4	51.7	54.9	55.9	56.3	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.8	56.8
GE 10000	49.8	54.2	57.5	58.6	59.5	59.6	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.9	59.9
GE 9000	50.1	54.5	57.8	58.9	59.9	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.3	60.3
GE 8000	53.1	57.6	61.5	63.2	64.2	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.6	64.6
GE 7000	53.2	57.7	61.6	63.3	64.3	64.4	64.5	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.7	64.7
GE 6000	53.3	57.8	61.7	63.7	64.6	64.7	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	65.1	65.1
GE 5000	55.1	59.7	63.8	66.0	67.1	67.2	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.7	67.7
GE 4500	55.7	60.3	64.4	66.7	68.0	68.1	68.3	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.6	68.6
GE 4000	57.5	62.7	67.0	69.6	71.5	71.6	71.8	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.2	72.2
GE 3500	58.3	63.5	67.8	70.6	72.6	72.7	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.2	73.2
GE 3000	58.7	64.0	68.4	71.3	73.2	73.4	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9	74.0	74.0
GE 2500	59.1	64.6	69.1	72.0	74.2	74.4	74.8	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.3
GE 2000	60.1	65.8	70.3	73.2	75.7	75.9	76.3	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.8	76.8
GE 1800	60.4	66.1	70.6	73.7	76.3	76.6	77.0	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.4	77.4
GE 1500	60.8	66.6	71.1	74.4	77.4	77.7	78.2	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.6	78.6
GE 1200	61.2	67.0	72.2	75.9	78.9	79.5	79.9	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.4	80.4
GE 1000	61.5	67.7	73.1	77.0	80.5	81.2	81.7	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.4	82.4
GE 900	61.8	68.1	73.5	77.4	81.0	81.6	82.2	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.8	82.8
GE 800	62.3	68.5	74.5	79.0	83.9	84.5	85.3	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.9	85.9
GE 700	62.4	68.8	75.3	80.6	86.3	87.4	88.2	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.9	89.0
GE 600	62.5	68.9	75.6	81.2	87.4	88.9	89.9	90.5	90.5	90.8	90.8	90.8	90.8	90.8	90.9	91.0
GE 500	62.6	69.1	76.0	82.4	89.5	91.2	92.6	93.3	93.7	94.1	94.1	94.1	94.1	94.1	94.2	94.3
GE 400	62.6	69.1	76.0	82.7	89.9	91.8	93.9	94.6	94.9	95.5	95.6	95.6	95.6	95.6	95.7	95.8
GE 300	62.6	69.1	76.0	82.7	89.9	91.8	94.0	94.7	95.4	96.2	96.6	96.6	97.0	97.0	97.3	97.4
GE 200	62.6	69.1	76.0	82.7	89.9	91.8	94.1	94.8	95.5	96.7	97.1	97.2	97.7	97.7	98.5	98.7
GE 100	62.6	69.1	76.0	82.7	89.9	91.8	94.1	94.9	95.6	96.8	97.2	97.3	98.0	98.1	99.1	100.0
GE 000	62.6	69.1	76.0	82.7	89.9	91.8	94.1	94.9	95.6	96.8	97.2	97.3	98.0	98.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.6	47.4	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 20000	54.2	55.6	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 18000	54.2	55.6	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 16000	54.2	55.6	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 14000	54.7	56.1	56.2	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 12000	55.6	57.0	57.1	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 10000	57.7	59.4	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 9000	58.6	60.2	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 8000	62.8	64.7	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 7000	63.1	65.1	66.3	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 6000	63.4	65.4	66.7	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 5000	64.2	66.3	67.8	68.5	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 4500	64.9	67.2	68.7	69.4	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 4000	66.5	68.8	71.0	71.7	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 3500	67.6	70.1	72.3	73.0	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 3000	68.6	71.1	73.4	74.2	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 2500	69.8	72.3	75.1	76.0	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 2000	70.9	73.3	76.5	77.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 1800	71.1	73.5	76.7	77.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 1500	71.8	74.3	77.8	79.0	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 1200	73.0	75.9	79.6	81.6	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 1000	73.2	76.5	80.3	82.7	84.6	84.8	84.8	84.9	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2
GE 900	73.2	76.7	80.5	82.9	85.2	85.4	85.4	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7
GE 800	73.4	76.9	81.4	84.2	87.2	87.5	87.7	87.8	87.8	87.8	88.1	88.1	88.1	88.1	88.1	88.1
GE 700	73.7	77.2	81.9	85.4	88.9	89.4	89.8	89.9	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2
GE 600	73.8	77.4	82.2	86.0	90.0	90.5	91.1	91.2	91.3	91.7	91.9	91.9	91.9	91.9	91.9	91.9
GE 500	74.1	77.7	82.5	87.3	92.4	93.2	94.5	94.9	95.3	95.7	96.0	96.0	96.0	96.0	96.0	96.0
GE 400	74.1	77.7	82.5	87.5	93.3	94.3	95.7	96.6	96.9	97.3	97.6	97.6	97.6	97.6	97.6	97.6
GE 300	74.1	77.7	82.5	87.5	93.4	94.5	96.2	97.2	97.6	98.2	98.6	98.6	98.7	98.8	98.8	98.8
GE 200	74.1	77.7	82.5	87.5	93.4	94.5	96.3	97.3	97.8	98.4	99.0	99.0	99.5	99.6	99.7	99.8
GE 100	74.1	77.7	82.5	87.5	93.4	94.5	96.3	97.3	97.8	98.4	99.0	99.0	99.5	99.6	99.8	99.9
GE 000	74.1	77.7	82.5	87.5	93.4	94.5	96.3	97.3	97.8	98.4	99.0	99.0	99.5	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.9	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 20000	57.1	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 18000	57.3	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 16000	57.3	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 14000	58.2	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 12000	59.4	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 10000	61.1	62.0	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 9000	61.5	62.6	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 8000	64.8	66.5	66.9	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 7000	65.7	67.3	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 6000	66.5	68.1	68.5	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 5000	67.3	69.0	69.5	70.2	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 4500	67.6	69.5	69.9	70.8	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 4000	69.7	71.5	72.5	73.8	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 3500	71.0	72.8	73.8	75.1	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 3000	72.6	74.6	76.0	77.6	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 2500	73.5	75.7	77.5	79.2	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 2000	74.6	77.0	79.4	81.3	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 1800	74.8	77.4	79.8	81.7	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 1500	74.9	77.7	80.6	83.0	83.5	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 1200	75.4	78.3	81.3	84.0	84.5	84.7	84.8	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 1000	75.5	78.6	82.2	85.1	86.2	86.5	86.8	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 900	75.8	79.2	82.9	85.8	87.0	87.3	87.7	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 800	75.9	79.4	84.0	87.5	89.6	89.9	90.3	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 700	76.0	79.6	84.4	88.6	91.0	91.5	92.5	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 600	76.0	79.7	84.7	89.4	92.0	92.9	93.9	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 500	76.1	79.9	85.1	89.9	93.3	94.3	95.9	96.8	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2
GE 400	76.1	80.0	85.2	90.2	93.7	94.6	96.3	97.5	97.7	98.2	98.4	98.4	98.4	98.4	98.4	98.4
GE 300	76.1	80.0	85.2	90.2	93.9	94.9	96.8	98.3	98.5	98.9	99.1	99.1	99.2	99.2	99.2	99.2
GE 200	76.1	80.0	85.2	90.2	93.9	94.9	96.8	98.3	98.5	98.9	99.2	99.2	99.6	99.6	99.6	99.7
GE 100	76.1	80.0	85.2	90.2	93.9	94.9	96.8	98.3	98.5	98.9	99.2	99.2	99.6	99.6	99.9	100.0
GE 000	76.1	80.0	85.2	90.2	93.9	94.9	96.8	98.3	98.5	98.9	99.2	99.2	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	54.2	54.7	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4
GE 20000	58.7	59.6	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2
GE 18000	58.7	59.6	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2
GE 16000	58.7	59.6	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2
GE 14000	59.7	60.5	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2
GE 12000	61.4	62.4	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3
GE 10000	63.7	64.6	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7
GE 9000	64.3	65.4	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5
GE 8000	67.4	68.8	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1
GE 7000	68.3	69.7	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1
GE 6000	69.2	70.6	71.8	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3
GE 5000	70.6	72.2	73.5	73.8	73.9	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1
GE 4500	71.1	72.6	74.0	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5
GE 4000	73.5	75.2	77.3	77.6	77.7	77.8	77.8	77.8	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0
GE 3500	74.1	75.8	78.1	78.4	78.6	78.7	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0
GE 3000	74.4	76.5	79.1	79.6	79.8	79.9	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2
GE 2500	75.5	77.7	80.8	81.4	81.6	81.7	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0
GE 2000	76.6	78.8	82.2	82.8	83.1	83.3	83.5	83.5	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7
GE 1800	76.8	79.2	82.6	83.2	83.5	83.8	84.0	84.0	84.0	84.1	84.2	84.2	84.2	84.2	84.2	84.2
GE 1500	77.5	80.2	83.8	84.8	85.2	85.4	85.6	85.6	85.6	85.7	85.8	85.8	85.8	85.8	85.8	85.8
GE 1200	78.0	80.8	84.3	85.4	85.9	86.1	86.3	86.5	86.5	86.6	86.7	86.7	86.9	86.9	86.9	86.9
GE 1000	78.3	81.1	84.7	85.9	86.6	86.9	87.1	87.2	87.2	87.3	87.4	87.4	87.6	87.6	87.6	87.6
GE 900	78.5	81.4	85.4	86.6	87.4	88.1	88.5	88.6	88.6	88.7	88.8	88.8	89.0	89.0	89.0	89.0
GE 800	78.5	81.4	85.8	87.1	88.3	89.0	89.5	89.6	89.6	89.7	89.8	89.8	90.0	90.0	90.0	90.0
GE 700	78.8	81.7	86.6	88.0	89.4	90.1	90.5	90.6	90.6	90.8	90.9	90.9	91.1	91.1	91.1	91.1
GE 600	79.1	82.0	87.1	88.9	90.8	92.2	92.9	93.0	93.0	93.2	93.3	93.3	93.5	93.5	93.5	93.5
GE 500	79.1	82.0	87.1	89.6	91.7	93.2	94.8	94.9	94.9	95.3	95.4	95.4	95.6	95.6	95.6	95.6
GE 400	79.1	82.0	87.1	89.8	92.0	93.7	95.7	96.0	96.0	96.7	97.0	97.0	97.2	97.2	97.2	97.2
GE 300	79.1	82.0	87.1	89.8	92.3	94.1	96.2	96.8	97.2	98.0	98.3	98.3	98.5	98.5	98.5	98.5
GE 200	79.1	82.0	87.1	89.8	92.3	94.1	96.3	97.0	97.4	98.5	98.8	98.8	99.1	99.1	99.6	99.6
GE 100	79.1	82.0	87.1	89.8	92.3	94.1	96.3	97.0	97.4	98.5	98.8	98.8	99.1	99.1	99.8	99.8
GE 000	79.1	82.0	87.1	89.8	92.3	94.1	96.3	97.0	97.4	98.5	98.8	98.8	99.1	99.1	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: 21-23

CEILING	VISIBILITY IN STATUTE MILES															
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.0	58.5	58.6	58.9	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.4
GE 20000	61.6	62.3	62.4	62.7	62.8	62.8	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.1
GE 18000	61.6	62.3	62.4	62.7	62.8	62.8	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.1
GE 16000	61.7	62.4	62.5	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.2
GE 14000	61.8	62.5	62.6	62.9	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.3
GE 12000	63.3	64.0	64.1	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.8
GE 10000	66.6	67.2	67.4	67.7	67.8	67.8	68.0	68.0	68.0	68.0	68.1	68.2	68.2	68.2	68.2	68.3
GE 9000	67.2	67.8	68.1	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.7	68.8	68.8	68.8	68.8	68.9
GE 8000	69.6	70.5	70.9	71.2	71.3	71.4	71.5	71.5	71.5	71.5	71.6	71.7	71.8	71.8	71.8	71.9
GE 7000	70.5	71.5	71.9	72.3	72.4	72.5	72.6	72.6	72.6	72.6	72.7	72.8	72.9	72.9	72.9	73.0
GE 6000	71.8	72.9	73.5	73.9	74.1	74.2	74.3	74.3	74.3	74.3	74.4	74.5	74.6	74.6	74.6	74.7
GE 5000	74.0	75.4	76.1	76.5	76.7	76.8	76.9	76.9	76.9	76.9	77.0	77.1	77.2	77.2	77.2	77.3
GE 4500	74.7	76.1	76.9	77.2	77.4	77.5	77.6	77.6	77.6	77.6	77.7	77.8	78.0	78.0	78.0	78.1
GE 4000	75.9	77.3	78.3	78.8	79.0	79.1	79.2	79.2	79.2	79.2	79.4	79.5	79.6	79.6	79.6	79.7
GE 3500	76.5	78.1	79.0	79.7	79.9	80.0	80.1	80.1	80.1	80.1	80.2	80.3	80.4	80.4	80.4	80.5
GE 3000	76.9	78.5	79.7	80.4	80.6	80.8	81.0	81.0	81.0	81.0	81.1	81.2	81.3	81.3	81.3	81.4
GE 2500	77.5	79.1	80.5	81.4	81.6	81.7	81.9	81.9	81.9	81.9	82.0	82.2	82.3	82.3	82.3	82.4
GE 2000	79.2	80.9	82.5	83.4	83.7	83.8	84.0	84.0	84.0	84.0	84.1	84.2	84.3	84.3	84.3	84.4
GE 1800	79.7	81.3	83.1	84.1	84.3	84.4	84.6	84.6	84.6	84.6	84.7	84.8	84.9	84.9	84.9	85.1
GE 1500	80.0	81.8	83.7	84.6	84.8	84.9	85.2	85.2	85.2	85.2	85.3	85.5	85.7	85.7	85.7	85.8
GE 1200	80.4	82.5	84.3	85.3	85.6	85.7	85.9	86.0	86.0	86.0	86.1	86.3	86.6	86.6	86.6	86.7
GE 1000	80.5	82.7	84.6	85.6	86.0	86.1	86.3	86.5	86.5	86.5	86.6	86.8	87.0	87.0	87.0	87.1
GE 900	80.5	82.7	84.9	86.0	86.8	86.9	87.3	87.4	87.4	87.4	87.5	87.7	88.0	88.0	88.0	88.1
GE 800	81.0	83.1	85.4	86.6	87.4	87.6	88.1	88.2	88.2	88.2	88.3	88.5	88.7	88.7	88.7	88.8
GE 700	81.4	83.8	86.1	87.3	88.3	88.5	89.0	89.1	89.1	89.1	89.2	89.5	89.7	89.7	89.7	89.8
GE 600	81.5	83.9	86.5	88.2	89.7	90.2	91.1	91.2	91.2	91.2	91.3	91.5	91.7	91.7	91.7	91.8
GE 500	81.5	83.9	86.5	88.9	91.1	91.7	92.9	93.1	93.1	93.4	93.5	93.8	94.0	94.0	94.0	94.1
GE 400	81.5	83.9	86.5	89.0	91.5	92.3	93.9	94.3	94.3	94.7	94.8	95.1	95.3	95.3	95.3	95.4
GE 300	81.5	83.9	86.5	89.1	91.9	92.8	94.9	95.6	95.6	96.2	96.3	96.6	96.8	96.8	96.9	97.0
GE 200	81.5	83.9	86.5	89.1	91.9	92.8	94.9	95.8	95.8	96.7	97.0	97.2	97.4	97.4	97.8	98.3
GE 100	81.5	83.9	86.5	89.1	91.9	92.8	94.9	96.0	96.0	97.1	97.5	97.7	98.0	98.0	98.5	99.2
GE 000	81.5	83.9	86.5	89.1	91.9	92.8	94.9	96.0	96.0	97.1	97.5	97.7	98.0	98.0	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATIONNUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.1	51.1	51.9	52.3	52.4	52.4	52.5	52.5	52.5	52.6	52.6	52.6	52.7	52.7	52.7	52.8
GE 20000	55.1	56.5	57.4	57.7	58.0	58.0	58.1	58.1	58.1	58.1	58.2	58.2	58.3	58.3	58.3	58.4
GE 18000	55.1	56.5	57.4	57.8	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.5
GE 16000	55.2	56.5	57.4	57.8	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.4	58.5
GE 14000	55.6	57.0	57.9	58.2	58.5	58.5	58.5	58.6	58.6	58.6	58.7	58.7	58.8	58.8	58.8	58.9
GE 12000	56.6	58.0	59.0	59.4	59.6	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.9	59.9	60.0	60.1
GE 10000	59.4	60.9	62.0	62.5	62.8	62.8	62.9	63.0	63.0	63.0	63.1	63.1	63.2	63.2	63.2	63.3
GE 9000	59.8	61.4	62.5	63.0	63.3	63.4	63.4	63.5	63.5	63.5	63.6	63.6	63.7	63.7	63.7	63.8
GE 8000	62.8	64.6	65.9	66.6	67.0	67.0	67.1	67.2	67.2	67.2	67.3	67.3	67.4	67.4	67.4	67.5
GE 7000	63.3	65.1	66.5	67.3	67.7	67.7	67.8	67.9	67.9	67.9	67.9	68.0	68.1	68.1	68.1	68.2
GE 6000	64.1	65.9	67.4	68.2	68.7	68.7	68.8	68.9	68.9	68.9	69.0	69.0	69.1	69.1	69.1	69.2
GE 5000	65.9	67.9	69.5	70.4	71.0	71.0	71.1	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.5	71.6
GE 4500	66.3	68.3	70.0	70.9	71.6	71.7	71.7	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.1	72.2
GE 4000	67.9	70.1	72.1	73.3	74.1	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.5	74.6	74.6	74.7
GE 3500	68.7	70.9	73.0	74.2	75.0	75.1	75.2	75.3	75.3	75.3	75.4	75.4	75.5	75.5	75.6	75.7
GE 3000	69.6	71.9	74.2	75.6	76.5	76.6	76.7	76.8	76.8	76.8	76.9	76.9	77.0	77.0	77.0	77.2
GE 2500	70.2	72.6	75.1	76.5	77.5	77.7	77.8	78.0	78.0	78.0	78.0	78.1	78.2	78.2	78.2	78.3
GE 2000	71.6	74.0	76.7	78.3	79.4	79.6	79.8	79.9	79.9	79.9	80.0	80.0	80.1	80.1	80.2	80.3
GE 1800	71.8	74.3	77.1	78.6	79.8	80.0	80.2	80.3	80.3	80.4	80.4	80.5	80.6	80.6	80.6	80.8
GE 1500	72.4	75.1	78.0	79.7	81.0	81.3	81.5	81.6	81.6	81.7	81.7	81.8	81.9	81.9	81.9	82.1
GE 1200	73.0	75.8	78.9	80.9	82.4	82.6	82.9	83.1	83.1	83.1	83.2	83.2	83.4	83.4	83.4	83.5
GE 1000	73.3	76.2	79.6	81.7	83.4	83.7	84.0	84.3	84.3	84.3	84.4	84.5	84.6	84.6	84.7	84.8
GE 900	73.4	76.4	79.9	82.1	84.0	84.3	84.7	85.0	85.0	85.0	85.1	85.2	85.3	85.3	85.4	85.5
GE 800	73.7	76.7	80.6	83.2	85.6	86.0	86.5	86.8	86.8	86.8	86.9	86.9	87.1	87.1	87.2	87.3
GE 700	73.8	77.0	81.1	84.0	86.8	87.3	88.0	88.3	88.3	88.4	88.5	88.5	88.7	88.7	88.8	88.9
GE 600	74.0	77.2	81.5	84.7	88.1	89.0	89.8	90.2	90.2	90.4	90.5	90.5	90.7	90.7	90.7	90.9
GE 500	74.1	77.4	81.9	85.7	89.8	90.9	92.3	92.8	93.0	93.3	93.4	93.4	93.6	93.6	93.7	93.8
GE 400	74.1	77.4	81.9	86.0	90.5	91.8	93.5	94.4	94.5	94.9	95.2	95.2	95.4	95.4	95.5	95.6
GE 300	74.1	77.4	82.0	86.1	90.9	92.3	94.4	95.5	95.7	96.3	96.7	96.7	97.0	97.0	97.2	97.3
GE 200	74.1	77.4	82.0	86.1	90.9	92.4	94.5	95.7	96.0	96.8	97.3	97.4	97.9	97.9	98.3	98.6
GE 100	74.1	77.4	82.0	86.1	90.9	92.4	94.6	95.7	96.1	96.9	97.5	97.6	98.1	98.1	98.8	99.7
GE 000	74.1	77.4	82.0	86.1	90.9	92.4	94.6	95.7	96.1	96.9	97.5	97.6	98.1	98.1	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.1	57.0	57.7	57.7	57.8	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3
GE 20000	59.5	60.4	61.1	61.1	61.2	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7
GE 18000	59.5	60.4	61.1	61.1	61.2	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7
GE 16000	59.5	60.4	61.1	61.1	61.2	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7
GE 14000	59.6	60.5	61.2	61.2	61.4	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8
GE 12000	59.7	60.7	61.4	61.4	61.5	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	62.0
GE 10000	63.6	64.5	65.3	65.6	65.7	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2
GE 9000	63.6	64.5	65.3	65.6	65.7	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2
GE 8000	66.5	67.5	68.2	68.6	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1
GE 7000	67.8	68.8	69.5	69.8	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.4
GE 6000	68.3	69.3	70.0	70.3	70.4	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.9
GE 5000	70.7	71.6	72.3	72.7	72.8	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.3
GE 4500	71.4	72.3	73.1	73.5	73.6	73.6	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1
GE 4000	73.1	74.2	75.3	75.7	75.9	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3
GE 3500	74.1	75.1	76.2	76.8	76.9	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4
GE 3000	74.8	76.0	77.3	78.0	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.6	78.6	78.7
GE 2500	74.8	76.0	77.3	78.0	78.4	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.9	78.9	79.0
GE 2000	76.6	78.0	79.5	80.4	81.2	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.9	81.9	82.0
GE 1800	76.6	78.0	79.6	80.7	81.6	81.6	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.4
GE 1500	76.9	78.3	80.1	81.2	82.2	82.2	82.8	82.8	82.8	83.0	83.0	83.0	83.2	83.2	83.2	83.3
GE 1200	77.5	78.9	80.8	82.1	83.6	83.9	84.5	84.5	84.5	84.7	84.7	84.7	84.8	84.8	84.8	84.9
GE 1000	78.8	80.2	82.2	83.5	85.4	85.6	86.2	86.2	86.2	86.5	86.5	86.5	86.6	86.6	86.6	86.7
GE 900	79.0	80.4	82.6	84.0	86.0	86.2	86.8	86.8	86.8	87.0	87.0	87.0	87.2	87.2	87.2	87.3
GE 800	79.4	80.8	83.2	84.7	86.9	87.2	87.9	87.9	87.9	88.1	88.1	88.1	88.2	88.2	88.2	88.3
GE 700	79.4	80.9	83.4	85.3	88.0	88.8	89.5	89.5	89.5	89.8	89.8	89.8	89.9	89.9	89.9	90.0
GE 600	79.9	81.5	84.9	86.9	90.1	90.9	91.9	91.9	91.9	92.2	92.2	92.2	92.3	92.3	92.3	92.5
GE 500	80.0	81.7	85.5	87.9	91.8	92.6	93.6	93.6	93.6	94.0	94.0	94.0	94.1	94.1	94.1	94.2
GE 400	80.0	81.7	85.9	88.3	92.2	93.6	94.7	94.7	94.7	95.3	95.3	95.3	95.4	95.4	95.4	95.5
GE 300	80.0	81.7	85.9	88.3	92.5	94.1	95.5	95.9	95.9	96.9	96.9	96.9	97.1	97.1	97.3	97.4
GE 200	80.0	81.7	85.9	88.3	92.5	94.1	96.0	96.7	96.7	98.0	98.0	98.0	98.5	98.5	98.7	98.8
GE 100	80.0	81.7	85.9	88.3	92.5	94.1	96.0	96.7	96.7	98.0	98.0	98.0	98.5	98.5	98.7	98.8
GE 000	80.0	8.7	85.9	88.3	92.5	94.1	96.0	96.7	96.7	98.0	98.0	98.0	98.5	98.5	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.6	50.3	50.4	51.0	51.6	51.6	52.1	52.3	52.3	52.9	53.0	53.0	53.1	53.1	53.2	53.2
GE 20000	53.4	54.3	54.4	55.0	55.6	55.6	56.2	56.4	56.4	57.0	57.1	57.1	57.2	57.2	57.4	57.4
GE 18000	53.4	54.3	54.4	55.0	55.6	55.6	56.2	56.4	56.4	57.0	57.1	57.1	57.2	57.2	57.4	57.4
GE 16000	53.4	54.3	54.4	55.0	55.6	55.6	56.2	56.4	56.4	57.0	57.1	57.1	57.2	57.2	57.4	57.4
GE 14000	53.4	54.3	54.4	55.0	55.6	55.6	56.2	56.4	56.4	57.0	57.1	57.1	57.2	57.2	57.4	57.4
GE 12000	53.5	54.4	54.7	55.2	55.8	55.8	56.4	56.7	56.7	57.2	57.4	57.4	57.5	57.5	57.6	57.6
GE 10000	56.7	57.7	58.0	58.8	59.4	59.4	60.0	60.2	60.2	60.8	60.9	60.9	61.0	61.0	61.1	61.1
GE 9000	56.7	57.7	58.0	58.8	59.4	59.4	60.0	60.2	60.2	60.8	60.9	60.9	61.0	61.0	61.1	61.1
GE 8000	60.2	61.2	61.7	62.9	63.5	63.5	64.1	64.3	64.3	64.9	65.0	65.0	65.1	65.1	65.3	65.3
GE 7000	60.8	61.8	62.3	63.5	64.1	64.1	64.7	64.9	64.9	65.5	65.6	65.6	65.7	65.7	65.8	65.8
GE 6000	62.0	63.0	63.6	64.8	65.4	65.5	66.1	66.3	66.3	66.9	67.0	67.0	67.1	67.1	67.3	67.3
GE 5000	65.3	66.3	66.9	68.1	68.7	68.8	69.5	69.7	69.7	70.3	70.4	70.4	70.6	70.6	70.7	70.7
GE 4500	65.5	66.5	67.1	68.3	68.9	69.0	69.7	70.1	70.1	70.7	70.8	70.8	70.9	70.9	71.0	71.0
GE 4000	68.6	69.7	70.4	71.8	72.4	72.6	73.3	73.6	73.6	74.2	74.3	74.3	74.4	74.4	74.6	74.6
GE 3500	69.1	70.3	71.1	72.6	73.1	73.3	74.0	74.3	74.3	74.9	75.0	75.0	75.1	75.1	75.3	75.3
GE 3000	71.0	72.2	73.3	74.9	75.5	75.6	76.3	76.7	76.7	77.3	77.4	77.4	77.5	77.5	77.6	77.6
GE 2500	71.4	72.6	73.7	75.4	76.1	76.3	77.0	77.4	77.4	78.0	78.1	78.1	78.2	78.2	78.3	78.3
GE 2000	72.8	74.0	75.5	77.1	77.9	78.3	79.0	79.4	79.4	80.0	80.2	80.2	80.3	80.3	80.4	80.4
GE 1800	73.1	74.3	75.9	77.5	78.2	78.7	79.4	79.7	79.7	80.3	80.6	80.6	80.7	80.7	80.8	80.8
GE 1500	73.7	74.9	76.4	78.1	78.8	79.4	80.1	80.6	80.6	81.2	81.4	81.4	81.5	81.5	81.6	81.6
GE 1200	74.6	75.7	77.3	78.9	80.2	80.9	81.6	82.1	82.1	82.7	82.9	82.9	83.0	83.0	83.2	83.2
GE 1000	74.9	76.1	77.6	79.4	81.0	81.9	82.6	83.0	83.0	83.6	83.9	83.9	84.0	84.0	84.1	84.1
GE 900	75.4	76.6	78.1	80.0	81.7	82.6	83.3	83.7	83.7	84.3	84.6	84.6	84.7	84.7	84.8	84.8
GE 800	75.7	76.9	78.7	80.8	82.6	83.4	84.1	84.6	84.6	85.2	85.4	85.4	85.5	85.5	85.6	85.6
GE 700	76.3	77.7	79.6	82.0	84.1	85.0	86.0	86.5	86.5	87.0	87.3	87.3	87.4	87.4	87.5	87.5
GE 600	76.6	78.2	80.9	83.6	86.1	87.2	88.5	89.2	89.2	89.9	90.1	90.1	90.2	90.2	90.3	90.3
GE 500	76.6	78.3	81.2	84.5	87.0	88.2	90.7	91.6	91.6	92.3	92.6	92.6	92.7	92.7	92.8	92.8
GE 400	76.7	78.6	81.5	84.9	88.0	89.8	92.8	93.9	94.0	94.8	95.1	95.1	95.2	95.2	95.3	95.3
GE 300	76.7	78.6	81.5	84.9	88.2	90.1	93.6	94.8	95.1	96.0	96.3	96.3	96.5	96.5	96.7	96.8
GE 200	76.7	78.6	81.5	84.9	88.2	90.1	94.0	95.2	95.4	96.8	97.2	97.2	97.8	97.8	98.1	98.2
GE 100	76.7	78.6	81.5	84.9	88.2	90.1	94.0	95.2	95.4	96.8	97.3	97.3	98.0	98.1	98.6	99.4
GE 000	76.7	78.6	81.5	84.9	88.2	90.1	94.0	95.2	95.4	96.8	97.3	97.3	98.0	98.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.3	42.2	43.7	44.9	46.4	46.6	47.0	47.0	47.0	47.2	47.2	47.2	47.3	47.3	47.3	47.5
GE 20000	43.2	46.2	47.9	49.1	50.6	51.0	51.4	51.4	51.4	51.6	51.6	51.6	51.7	51.7	51.7	51.9
GE 18000	43.2	46.2	47.9	49.1	50.6	51.0	51.4	51.4	51.4	51.6	51.6	51.6	51.7	51.7	51.7	51.9
GE 16000	43.2	46.2	47.9	49.1	50.6	51.0	51.4	51.4	51.4	51.6	51.6	51.6	51.7	51.7	51.7	51.9
GE 14000	43.2	46.2	47.9	49.1	0.6	51.0	51.4	51.4	51.4	51.6	51.6	51.6	51.7	51.7	51.7	51.9
GE 12000	44.2	47.1	48.9	50.3	51.8	52.2	52.5	52.5	52.5	52.8	52.8	52.8	52.9	52.9	52.9	53.1
GE 10000	47.3	50.4	52.5	54.2	55.8	56.3	56.7	56.7	56.7	56.9	56.9	56.9	57.0	57.0	57.0	57.2
GE 9000	47.5	50.5	52.7	54.3	55.9	56.4	56.8	56.8	56.8	57.1	57.1	57.1	57.4	57.4	57.4	57.6
GE 8000	49.6	52.9	55.1	57.0	58.7	59.1	59.6	59.6	59.6	60.0	60.0	60.0	60.2	60.2	60.2	60.4
GE 7000	50.1	53.5	55.7	57.6	59.4	59.8	60.3	60.3	60.3	60.7	60.7	60.7	60.9	60.9	60.9	61.1
GE 6000	50.2	53.6	55.8	57.7	59.6	60.1	60.5	60.5	60.5	60.9	60.9	60.9	61.1	61.1	61.1	61.4
GE 5000	52.8	56.3	58.9	60.9	63.6	64.2	64.7	64.7	64.7	65.0	65.0	65.0	65.3	65.3	65.3	65.5
GE 4500	53.7	57.2	59.8	62.0	64.7	65.3	65.7	65.7	65.7	66.1	66.1	66.1	66.3	66.3	66.3	66.5
GE 4000	56.9	60.5	63.1	65.4	68.7	69.3	69.8	69.8	69.8	70.2	70.2	70.2	70.4	70.6	70.6	70.8
GE 3500	58.2	61.8	64.4	66.7	70.0	70.6	71.1	71.1	71.1	71.5	71.5	71.5	71.7	71.8	71.8	72.1
GE 3000	60.0	63.6	66.3	68.7	72.2	73.1	73.7	73.7	73.7	74.1	74.1	74.1	74.3	74.4	74.4	74.7
GE 2500	60.9	64.5	67.5	70.0	73.7	74.7	75.3	75.3	75.4	75.7	75.7	75.7	76.0	76.1	76.1	76.3
GE 2000	61.8	65.5	68.7	71.1	75.0	76.0	76.7	76.7	76.8	77.1	77.3	77.3	77.5	77.6	77.6	77.9
GE 1800	62.0	65.6	68.8	71.3	75.3	76.2	76.9	76.9	77.0	77.4	77.5	77.5	77.7	77.9	77.9	78.1
GE 1500	62.9	66.5	69.8	72.4	76.4	77.4	78.1	78.3	78.4	78.8	78.9	78.9	79.2	79.3	79.3	79.5
GE 1200	63.4	67.0	70.4	73.4	77.6	78.6	79.4	79.6	79.7	80.2	80.3	80.3	80.6	80.7	80.8	81.0
GE 1000	64.0	67.6	71.1	74.3	78.6	79.5	80.3	80.6	80.7	81.2	81.3	81.3	81.5	81.6	81.7	82.0
GE 900	64.3	68.0	71.5	74.7	78.9	80.0	80.8	81.0	81.2	81.6	81.7	81.7	82.0	82.1	82.2	82.4
GE 800	64.4	68.1	71.8	75.1	79.5	80.8	81.7	82.0	82.1	82.6	82.8	82.8	83.2	83.3	83.4	83.6
GE 700	64.8	68.7	72.6	75.9	80.7	82.0	83.4	83.6	83.7	84.2	84.5	84.5	84.8	84.9	85.0	85.3
GE 600	65.1	69.4	74.0	77.6	82.9	84.2	85.9	86.2	86.5	86.9	87.2	87.2	87.5	87.6	87.8	88.0
GE 500	65.1	69.5	74.3	78.4	84.6	86.2	88.5	88.9	89.2	89.6	90.0	90.0	90.3	90.5	90.6	90.8
GE 400	65.1	69.5	74.4	78.6	85.3	87.2	90.5	91.0	91.3	91.8	92.2	92.2	92.7	92.8	93.2	93.8
GE 300	65.1	69.5	74.4	78.6	85.5	87.5	91.0	91.8	92.0	93.2	94.0	94.0	94.6	94.8	95.3	96.1
GE 200	65.1	69.5	74.4	78.6	85.5	87.5	91.0	92.0	92.3	94.0	95.2	95.2	95.9	96.2	96.7	97.8
GE 100	65.1	69.5	74.4	78.6	85.5	87.5	91.0	92.0	92.3	94.1	95.4	95.4	96.3	96.8	97.5	99.5
GE 000	65.1	69.5	74.4	78.6	85.5	87.5	91.0	92.0	92.3	94.1	95.4	95.4	96.3	96.8	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 849



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.3	41.1	43.9	44.9	45.1	45.2	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 20000	44.9	48.1	51.2	52.2	52.4	52.5	52.5	52.5	52.5	52.7	52.7	52.7	52.7	52.7	52.8	52.8
GE 18000	44.9	48.1	51.2	52.2	52.4	52.5	52.5	52.5	52.5	52.7	52.7	52.7	52.7	52.7	52.8	52.8
GE 16000	44.9	48.1	51.2	52.2	52.4	52.5	52.5	52.5	52.5	52.7	52.7	52.7	52.7	52.7	52.8	52.8
GE 14000	45.2	48.4	51.6	52.5	52.8	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.1	53.1
GE 12000	46.2	49.5	52.7	53.6	53.8	53.9	53.9	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.2	54.2
GE 10000	48.2	51.8	55.0	56.3	56.5	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.9	56.9
GE 9000	48.2	51.8	55.0	56.4	56.7	56.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	57.0	57.0
GE 8000	51.1	55.4	59.0	60.4	60.9	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.2	61.2
GE 7000	51.7	56.1	59.8	61.4	61.8	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.2	62.2
GE 6000	51.8	56.2	60.0	61.5	62.0	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.3	62.3
GE 5000	53.5	58.1	62.0	63.7	64.2	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.7	64.7
GE 4500	54.5	59.2	63.1	64.9	65.4	65.6	65.6	65.7	65.7	65.8	65.8	65.8	65.8	65.8	66.0	66.0
GE 4000	56.7	62.0	66.3	68.7	69.4	69.7	69.8	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.2	70.2
GE 3500	58.1	63.6	68.1	70.4	71.1	71.5	71.6	71.7	71.7	71.8	71.8	71.8	71.8	71.8	72.0	72.0
GE 3000	60.3	65.8	70.4	73.0	73.9	74.2	74.3	74.4	74.4	74.6	74.6	74.6	74.6	74.6	74.7	74.7
GE 2500	60.7	66.4	71.1	73.7	74.6	74.9	75.0	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.4	75.4
GE 2000	61.7	68.1	73.0	75.9	76.9	77.6	78.0	78.2	78.2	78.3	78.4	78.4	78.4	78.4	78.6	78.6
GE 1800	62.0	68.6	73.5	76.4	77.6	78.3	78.7	78.9	78.9	79.0	79.2	79.2	79.2	79.2	79.3	79.3
GE 1500	62.3	68.9	74.1	77.3	78.6	79.4	79.7	80.0	80.0	80.1	80.2	80.2	80.2	80.2	80.3	80.3
GE 1200	63.0	69.8	75.3	78.4	80.3	81.2	81.6	81.9	81.9	82.0	82.1	82.1	82.1	82.1	82.2	82.2
GE 1000	63.7	71.0	76.7	80.0	82.4	83.3	83.9	84.1	84.1	84.2	84.3	84.3	84.3	84.3	84.5	84.5
GE 900	64.1	71.6	77.3	80.6	83.4	84.2	84.8	85.0	85.0	85.2	85.3	85.3	85.3	85.3	85.4	85.4
GE 800	64.9	72.6	78.6	81.9	84.7	85.6	86.2	86.5	86.5	86.7	86.8	86.8	86.9	86.9	87.0	87.0
GE 700	65.3	72.9	79.2	82.7	85.7	86.8	87.4	88.0	88.0	88.2	88.3	88.3	88.5	88.5	88.6	88.6
GE 600	65.4	73.3	79.9	83.4	87.5	88.9	89.6	90.6	90.6	90.9	91.2	91.2	91.3	91.3	91.5	91.5
GE 500	65.5	73.5	80.4	84.6	89.4	91.3	92.3	93.4	93.5	93.9	94.2	94.2	94.3	94.3	94.6	94.6
GE 400	65.5	73.5	80.6	84.8	89.9	92.3	93.5	94.7	94.8	95.4	95.8	95.8	96.0	96.0	96.3	96.3
GE 300	65.5	73.5	80.6	84.8	90.2	92.7	94.3	95.9	96.0	97.1	97.6	97.6	97.9	98.0	98.4	98.4
GE 200	65.5	73.5	80.6	84.8	90.2	92.7	94.5	96.0	96.1	97.3	98.0	98.2	98.5	98.6	99.2	99.4
GE 100	65.5	73.5	80.6	84.8	90.2	92.7	94.5	96.0	96.1	97.3	98.0	98.2	98.7	98.8	99.5	100.0
GE 000	65.5	73.5	80.6	84.8	90.2	92.7	94.5	96.0	96.1	97.3	98.0	98.2	98.7	98.8	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.5	45.8	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 20000	53.9	56.1	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 18000	54.5	56.7	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 16000	54.5	56.7	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 14000	54.9	57.0	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 12000	56.1	58.2	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 10000	58.8	61.4	62.2	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 9000	58.9	61.5	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 8000	61.8	64.8	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 7000	63.4	66.5	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 6000	63.7	66.9	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 5000	64.9	68.2	69.3	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 4500	65.6	69.0	70.1	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 4000	69.3	72.8	74.1	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 3500	70.4	74.0	75.3	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 3000	72.3	76.0	77.3	78.3	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 2500	73.4	77.1	78.4	79.5	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 2000	74.9	78.9	80.2	81.5	82.0	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 1800	75.0	79.0	80.3	81.6	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 1500	75.5	80.0	81.5	83.0	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 1200	76.7	81.6	83.5	85.2	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 1000	77.7	83.2	85.2	86.9	87.8	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 900	78.1	83.5	85.5	87.4	88.2	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 800	78.4	83.9	85.9	88.1	89.3	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 700	78.8	84.3	86.5	89.3	91.3	91.8	92.1	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 600	78.8	84.6	87.0	90.0	92.8	93.4	94.0	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 500	78.9	84.8	87.8	90.8	94.6	95.8	96.3	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 400	78.9	84.8	87.9	91.2	95.2	96.3	97.2	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 300	78.9	84.8	87.9	91.2	95.3	96.5	97.3	97.6	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 200	78.9	84.8	87.9	91.2	95.3	96.5	97.3	97.6	98.1	98.7	99.2	99.3	99.4	99.6	99.8	99.8
GE 100	78.9	84.8	87.9	91.2	95.3	96.5	97.3	97.6	98.1	98.7	99.2	99.3	99.4	99.8	99.9	100.0
GE 000	78.9	84.8	87.9	91.2	95.3	96.5	97.3	97.6	98.1	98.7	99.2	99.3	99.4	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.3	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 20000	57.6	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 18000	58.2	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 16000	58.3	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 14000	59.2	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 12000	59.7	60.5	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 10000	62.5	64.0	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 9000	62.9	64.3	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 8000	68.0	69.5	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 7000	69.1	70.8	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 6000	69.3	71.0	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 5000	70.2	72.1	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 4500	71.0	73.0	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 4000	74.4	76.7	77.7	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 3500	75.6	78.1	79.2	79.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 3000	77.1	79.6	80.8	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 2500	78.3	80.9	82.1	82.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 2000	79.5	82.2	83.4	84.2	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 1800	79.6	82.3	83.5	84.3	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 1500	80.8	83.5	84.9	85.7	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 1200	81.6	84.7	86.5	87.3	87.9	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 1000	82.0	85.3	87.2	88.2	89.0	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 900	82.2	85.5	87.5	88.9	89.9	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 800	82.6	86.0	88.5	90.2	91.2	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 700	82.9	86.5	89.2	91.0	92.6	92.9	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 600	83.0	86.8	89.6	91.6	93.5	94.1	94.6	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9
GE 500	83.2	87.2	90.2	92.2	94.3	95.3	96.2	96.6	96.6	96.6	96.8	96.8	96.9	96.9	96.9	96.9
GE 400	83.2	87.2	90.6	92.8	95.1	96.1	97.3	98.2	98.4	98.4	98.8	98.8	98.9	98.9	98.9	98.9
GE 300	83.2	87.2	90.6	92.8	95.1	96.1	97.4	98.6	98.7	98.7	99.3	99.4	99.6	99.6	99.6	99.6
GE 200	83.2	87.2	90.6	92.8	95.1	96.1	97.4	98.6	98.7	98.7	99.4	99.5	99.8	99.8	99.8	99.8
GE 100	83.2	87.2	90.6	92.8	95.1	96.1	97.4	98.6	98.8	98.8	99.5	99.6	99.9	100.0	100.0	100.0
GE 000	83.2	87.2	90.6	92.8	95.1	96.1	97.4	98.6	98.8	98.8	99.5	99.6	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.8	52.2	52.4	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 20000	58.7	59.5	60.0	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 18000	58.8	59.6	60.1	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 16000	58.8	59.6	60.1	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 14000	59.0	59.8	60.3	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 12000	61.5	62.3	63.0	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 10000	64.1	65.0	65.8	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 9000	64.5	65.5	66.3	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 8000	69.0	70.3	71.1	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 7000	70.1	71.5	72.3	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 6000	70.2	71.8	72.7	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 5000	72.3	74.0	74.8	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 4500	73.0	74.9	75.7	76.3	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 4000	74.7	77.1	78.1	78.7	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 3500	76.1	78.7	80.0	81.0	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 3000	76.9	79.6	81.0	82.2	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 2500	77.4	80.1	81.6	82.9	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 2000	78.8	81.5	83.0	84.6	85.4	85.4	85.5	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 1800	78.9	81.6	83.2	84.8	85.6	85.6	85.7	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 1500	79.7	82.4	84.1	86.0	87.0	87.0	87.3	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 1200	80.2	82.9	84.7	86.6	88.0	88.0	88.2	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 1000	80.9	83.7	85.5	87.4	89.2	89.2	89.4	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 900	80.9	83.9	85.7	87.8	89.5	89.5	89.9	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 800	80.9	83.9	86.0	88.1	90.0	90.0	90.5	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 700	81.2	84.2	86.5	88.7	91.5	91.8	92.5	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 600	81.4	84.5	86.7	89.3	92.5	92.7	93.5	93.6	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 500	81.6	84.7	86.9	89.5	93.5	93.9	95.1	95.6	95.8	96.0	96.0	96.0	96.3	96.3	96.3	96.3
GE 400	81.6	84.7	86.9	89.5	93.9	94.3	96.1	96.8	96.9	97.2	97.2	97.2	97.5	97.5	97.6	97.6
GE 300	81.6	84.7	86.9	89.5	94.0	94.6	96.6	97.6	97.9	98.6	98.6	98.6	98.9	99.1	99.2	99.2
GE 200	81.6	84.7	86.9	89.5	94.0	94.6	96.6	97.6	97.9	98.7	98.8	98.8	99.2	99.3	99.5	99.5
GE 100	81.6	84.7	86.9	89.5	94.0	94.6	96.6	97.6	97.9	98.7	98.8	98.8	99.2	99.4	99.9	100.0
GE 000	81.6	84.7	86.9	89.5	94.0	94.6	96.6	97.6	97.9	98.7	98.8	98.8	99.2	99.4	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.0	55.6	55.7	55.8	55.9	55.9	55.9	55.9	55.9	56.1	56.1	56.1	56.2	56.2	56.2	56.3
GE 20000	61.1	61.7	61.8	62.2	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.7
GE 18000	61.1	61.7	61.8	62.2	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.7
GE 16000	61.1	61.7	61.8	62.2	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.7
GE 14000	61.1	61.7	61.8	62.2	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.7
GE 12000	61.5	62.1	62.2	62.5	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8	62.9	62.9	62.9	63.0
GE 10000	64.0	64.5	64.7	65.0	65.1	65.1	65.1	65.1	65.1	65.3	65.3	65.3	65.4	65.4	65.4	65.5
GE 9000	64.2	64.8	64.9	65.3	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.6	65.6	65.6	65.7
GE 8000	67.0	67.6	67.7	68.2	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.6	68.6	68.6	68.9
GE 7000	68.0	68.7	68.8	69.3	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.6	69.6	69.6	70.0
GE 6000	69.1	70.0	70.1	70.6	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.9	70.9	70.9	71.3
GE 5000	71.5	72.3	72.6	73.0	73.1	73.1	73.1	73.1	73.1	73.3	73.3	73.3	73.4	73.4	73.4	73.7
GE 4500	72.2	73.1	73.5	74.1	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.8
GE 4000	74.9	75.9	76.6	77.6	77.7	77.7	77.7	77.7	77.7	77.9	77.9	77.9	78.0	78.0	78.0	78.3
GE 3500	76.1	77.1	77.9	79.2	79.3	79.3	79.3	79.3	79.3	79.4	79.4	79.4	79.5	79.5	79.5	79.9
GE 3000	76.4	77.6	78.3	79.6	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.1	80.1	80.1	80.4
GE 2500	76.6	77.7	78.4	79.7	80.8	80.8	80.9	80.9	80.9	81.0	81.0	81.0	81.2	81.2	81.2	81.5
GE 2000	77.5	79.0	80.1	81.4	82.8	82.8	82.9	83.0	83.0	83.2	83.2	83.2	83.3	83.3	83.3	83.6
GE 1800	77.7	79.3	80.3	81.6	83.0	83.0	83.2	83.3	83.3	83.4	83.4	83.4	83.5	83.5	83.5	83.9
GE 1500	78.6	80.3	81.4	82.7	84.1	84.1	84.2	84.3	84.3	84.5	84.5	84.5	84.6	84.6	84.6	84.9
GE 1200	79.7	81.7	82.8	84.3	86.1	86.1	86.2	86.3	86.3	86.5	86.5	86.5	86.6	86.6	86.6	86.9
GE 1000	80.4	82.6	83.9	85.7	87.6	87.6	87.8	87.9	87.9	88.0	88.0	88.0	88.1	88.1	88.1	88.5
GE 900	80.7	82.8	84.2	86.2	88.1	88.1	88.2	88.3	88.3	88.5	88.5	88.5	88.6	88.6	88.6	88.9
GE 800	81.2	83.3	84.9	87.0	89.2	89.2	89.4	89.5	89.5	89.6	89.6	89.6	89.8	89.8	89.8	90.1
GE 700	81.5	83.6	85.3	87.6	90.0	90.0	90.2	90.3	90.3	90.5	90.5	90.5	90.6	90.6	90.6	90.9
GE 600	81.6	83.7	85.7	88.6	91.4	91.5	92.1	92.2	92.2	92.3	92.3	92.3	92.5	92.5	92.5	92.8
GE 500	81.9	84.0	86.1	89.4	92.7	92.8	94.1	94.2	94.2	94.5	94.3	94.3	94.6	94.6	94.6	94.9
GE 400	81.9	84.0	86.2	89.6	93.2	93.9	95.2	95.6	95.6	96.0	96.2	96.2	96.5	96.5	96.5	96.8
GE 300	81.9	84.0	86.2	89.6	93.2	94.0	95.5	96.2	96.2	96.9	97.3	97.3	97.5	97.5	97.5	98.0
GE 200	81.9	84.0	86.2	89.6	93.2	94.1	95.6	96.8	96.8	97.9	98.2	98.2	98.7	98.7	98.7	99.4
GE 100	81.9	84.0	86.2	89.6	93.2	94.1	95.6	96.8	96.8	97.9	98.2	98.2	98.7	98.7	98.7	99.5
GE 000	81.9	84.0	86.2	89.6	93.2	94.1	95.6	96.8	96.8	98.0	98.4	98.4	98.8	98.8	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.5	48.8	49.6	50.0	50.3	50.4	50.5	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.8	50.8
GE 20000	54.0	55.6	56.5	56.9	57.3	57.3	57.5	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.8	57.8
GE 18000	54.2	55.7	56.7	57.1	57.4	57.5	57.7	57.7	57.7	57.8	57.8	57.8	57.9	57.9	57.9	58.0
GE 16000	54.2	55.8	56.7	57.1	57.4	57.5	57.7	57.7	57.7	57.8	57.9	57.9	57.9	57.9	57.9	58.0
GE 14000	54.5	56.0	56.9	57.4	57.7	57.8	57.9	58.0	58.0	58.1	58.1	58.1	58.2	58.2	58.2	58.2
GE 12000	55.3	56.8	57.8	58.3	58.6	58.7	58.9	58.9	58.9	59.0	59.0	59.0	59.1	59.1	59.1	59.2
GE 10000	58.1	59.9	61.0	61.6	62.0	62.0	62.2	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.5	62.5
GE 9000	58.3	60.1	61.1	61.8	62.1	62.2	62.4	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.7	62.7
GE 8000	61.7	63.6	64.8	65.6	66.0	66.0	66.2	66.3	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.6
GE 7000	62.6	64.7	65.9	66.7	67.1	67.1	67.3	67.4	67.4	67.5	67.5	67.5	67.5	67.6	67.6	67.7
GE 6000	63.1	65.2	66.4	67.2	67.6	67.7	67.9	67.9	67.9	68.1	68.1	68.1	68.2	68.2	68.2	68.3
GE 5000	65.1	67.4	68.7	69.5	70.0	70.2	70.4	70.4	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.7
GE 4500	65.9	68.2	69.5	70.4	70.9	71.1	71.3	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.6	71.7
GE 4000	68.6	71.1	72.7	73.8	74.5	74.6	74.8	74.9	74.9	75.0	75.1	75.1	75.1	75.1	75.2	75.3
GE 3500	69.7	72.3	74.0	75.3	76.0	76.2	76.4	76.5	76.5	76.6	76.6	76.6	76.7	76.7	76.7	76.8
GE 3000	71.1	73.8	75.6	77.0	77.8	78.0	78.3	78.3	78.3	78.5	78.5	78.5	78.6	78.6	78.6	78.7
GE 2500	71.7	74.4	76.3	77.7	78.8	79.0	79.2	79.3	79.3	79.5	79.5	79.5	79.5	79.6	79.6	79.7
GE 2000	73.0	75.9	77.9	79.5	80.7	81.0	81.4	81.5	81.5	81.7	81.7	81.7	81.8	81.8	81.8	81.9
GE 1800	73.1	76.1	78.1	79.8	81.0	81.3	81.7	81.8	81.8	82.0	82.0	82.0	82.1	82.1	82.1	82.2
GE 1500	73.8	76.9	79.0	80.8	82.1	82.4	82.8	83.0	83.0	83.2	83.2	83.2	83.3	83.3	83.3	83.4
GE 1200	74.6	77.8	80.2	82.0	83.7	84.1	84.5	84.6	84.6	84.8	84.9	84.9	85.0	85.0	85.0	85.1
GE 1000	75.3	78.7	81.2	83.2	85.1	85.5	86.0	86.1	86.1	86.3	86.4	86.4	86.5	86.5	86.5	86.6
GE 900	75.6	79.0	81.6	83.7	85.7	86.1	86.6	86.7	86.7	86.9	87.0	87.0	87.1	87.1	87.1	87.2
GE 800	75.9	79.4	82.2	84.5	86.7	87.1	87.6	87.8	87.8	88.0	88.1	88.1	88.2	88.2	88.3	88.4
GE 700	76.3	79.9	82.8	85.3	88.0	88.6	89.3	89.5	89.5	89.8	89.8	89.8	89.9	90.0	90.0	90.1
GE 600	76.5	80.2	83.6	86.4	89.6	90.4	91.3	91.6	91.7	91.9	92.0	92.0	92.1	92.1	92.2	92.3
GE 500	76.6	80.5	84.1	87.2	91.0	92.0	93.4	93.8	93.9	94.2	94.3	94.3	94.5	94.5	94.6	94.7
GE 400	76.6	80.5	84.2	87.5	91.6	92.9	94.7	95.3	95.4	95.8	96.0	96.0	96.2	96.3	96.4	96.5
GE 300	76.6	80.5	84.2	87.5	91.7	93.2	95.2	96.1	96.2	97.0	97.3	97.3	97.6	97.6	97.8	98.0
GE 200	76.6	80.5	84.2	87.5	91.7	93.2	95.3	96.3	96.5	97.5	98.0	98.1	98.5	98.6	98.8	99.1
GE 100	76.6	80.5	84.2	87.5	91.7	93.2	95.3	96.3	96.5	97.5	98.1	98.1	98.6	98.8	99.1	99.7
GE 000	76.6	80.5	84.2	87.5	91.7	93.2	95.3	96.3	96.5	97.6	98.1	98.1	98.6	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 6792

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.8	60.1	61.0	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.4
GE 20000	63.1	64.8	65.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.4
GE 18000	63.1	64.8	65.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.4
GE 16000	63.1	64.8	65.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.4
GE 14000	63.3	65.3	66.3	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.8
GE 12000	65.1	67.1	68.2	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.7
GE 10000	66.8	68.8	69.9	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.4
GE 9000	67.3	69.4	70.4	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.9
GE 8000	69.2	71.6	72.7	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.3
GE 7000	69.8	72.2	73.3	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.9
GE 6000	70.0	72.4	73.5	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.2
GE 5000	71.5	74.1	75.3	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.2
GE 4500	72.7	75.3	76.5	77.7	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.4
GE 4000	74.6	77.3	78.5	79.8	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.6
GE 3500	75.3	78.0	79.4	80.8	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.6
GE 3000	75.8	78.6	80.0	81.4	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.2	82.2	82.4
GE 2500	76.0	78.8	80.3	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.7	82.7	82.7	82.9
GE 2000	76.6	79.6	81.2	82.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9	83.9	83.9	84.1
GE 1800	77.3	80.3	82.4	83.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.3
GE 1500	78.1	81.1	83.2	84.6	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.5
GE 1200	79.0	82.4	85.2	86.8	88.6	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.6
GE 1000	79.2	82.9	86.3	88.2	90.2	90.5	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.2
GE 900	79.6	83.3	87.0	89.2	91.6	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.8
GE 800	79.8	83.5	87.3	89.6	91.9	92.5	92.8	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.2
GE 700	80.0	83.8	87.6	89.9	92.7	93.3	93.8	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.2
GE 600	80.2	84.0	88.0	90.4	93.5	94.2	94.6	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8	95.1
GE 500	80.2	84.0	88.3	91.0	94.7	95.6	96.2	96.3	96.3	96.3	96.3	96.3	96.5	96.5	96.5	96.7
GE 400	80.2	84.0	88.4	91.2	95.2	96.2	97.3	97.4	97.4	97.4	97.4	97.4	97.7	97.7	97.7	98.0
GE 300	80.2	84.0	88.4	91.2	95.5	96.9	98.3	98.4	98.4	98.5	98.5	98.5	98.8	98.8	98.8	99.0
GE 200	80.2	84.0	88.4	91.2	95.5	96.9	98.3	98.5	98.5	98.7	98.8	98.8	99.1	99.1	99.4	99.6
GE 100	80.2	84.0	88.4	91.2	95.5	96.9	98.5	98.7	98.7	98.9	99.1	99.1	99.5	99.5	99.8	100.0
GE 000	80.2	84.0	88.4	91.2	95.5	96.9	98.5	98.7	98.7	98.9	99.1	99.1	99.5	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.2	51.6	53.2	54.7	56.0	56.0	56.0	56.3	56.3	56.5	56.5	56.5	56.7	56.7	56.7	56.7
GE 20000	56.0	57.0	58.9	60.9	62.3	62.3	62.3	62.6	62.6	62.7	62.7	62.7	62.9	62.9	63.0	63.0
GE 18000	56.0	57.0	58.9	60.9	62.3	62.3	62.3	62.6	62.6	62.7	62.7	62.7	62.9	62.9	63.0	63.0
GE 16000	56.0	57.0	58.9	60.9	62.3	62.3	62.3	62.6	62.6	62.7	62.7	62.7	62.9	62.9	63.0	63.0
GE 14000	56.2	57.2	59.1	61.1	62.5	62.5	62.5	62.8	62.8	62.9	62.9	62.9	63.1	63.1	63.2	63.2
GE 12000	57.1	58.3	60.3	62.3	63.7	63.7	63.7	64.0	64.0	64.1	64.1	64.1	64.3	64.3	64.4	64.4
GE 10000	59.9	61.2	63.3	65.3	66.7	66.7	66.7	67.0	67.0	67.1	67.1	67.1	67.3	67.3	67.4	67.4
GE 9000	60.1	61.4	63.5	65.5	66.9	66.9	66.9	67.2	67.2	67.3	67.3	67.3	67.5	67.5	67.6	67.6
GE 8000	61.7	63.3	65.6	67.5	68.9	68.9	68.9	69.4	69.4	69.5	69.5	69.5	69.7	69.7	69.8	69.8
GE 7000	62.4	64.0	66.2	68.2	69.7	69.7	69.7	70.1	70.1	70.2	70.2	70.2	70.4	70.4	70.5	70.5
GE 6000	63.3	64.9	67.2	69.1	70.8	70.8	70.8	71.2	71.2	71.3	71.3	71.3	71.5	71.5	71.6	71.6
GE 5000	64.6	66.2	68.5	70.6	72.4	72.4	72.4	72.8	72.8	72.9	72.9	72.9	73.1	73.1	73.2	73.2
GE 4500	64.7	66.3	68.6	70.8	72.5	72.5	72.5	72.9	72.9	73.0	73.0	73.0	73.2	73.2	73.3	73.3
GE 4000	66.7	68.4	71.0	73.2	75.1	75.1	75.1	75.5	75.5	75.6	75.6	75.6	75.8	75.8	75.9	75.9
GE 3500	67.4	69.1	71.8	74.1	76.0	76.0	76.0	76.5	76.5	76.6	76.6	76.6	76.8	76.8	76.9	76.9
GE 3000	68.4	70.2	72.9	75.4	77.4	77.4	77.4	77.8	77.8	78.0	78.0	78.0	78.2	78.2	78.3	78.3
GE 2500	69.4	71.4	74.1	76.7	78.8	78.8	78.8	79.2	79.2	79.4	79.4	79.4	79.6	79.6	79.7	79.7
GE 2000	70.9	72.9	75.7	78.5	80.8	80.8	80.8	81.2	81.2	81.3	81.3	81.3	81.5	81.5	81.6	81.6
GE 1800	71.2	73.2	76.1	78.9	81.2	81.2	81.2	81.6	81.6	81.7	81.7	81.7	81.9	81.9	82.0	82.0
GE 1500	72.2	74.2	77.1	80.0	82.4	82.4	82.4	82.8	82.8	82.9	82.9	82.9	83.1	83.1	83.2	83.2
GE 1200	73.1	75.2	78.6	81.9	84.5	84.5	84.6	85.1	85.1	85.2	85.2	85.2	85.4	85.4	85.5	85.5
GE 1000	73.5	75.7	79.7	83.1	85.8	85.8	86.2	86.7	86.7	86.8	86.8	86.8	87.0	87.0	87.2	87.2
GE 900	74.0	76.5	80.6	84.2	87.1	87.3	87.7	88.2	88.2	88.3	88.3	88.3	88.5	88.5	88.7	88.7
GE 800	74.2	76.7	81.0	84.5	87.6	87.8	88.6	89.0	89.0	89.1	89.1	89.1	89.4	89.4	89.6	89.6
GE 700	74.3	76.8	81.5	85.4	88.8	89.0	89.9	90.3	90.3	90.5	90.5	90.5	90.8	90.8	91.0	91.0
GE 600	74.4	76.9	81.8	85.7	89.7	89.9	91.0	91.4	91.4	91.6	91.6	91.6	91.8	91.8	92.0	92.0
GE 500	74.5	77.0	82.5	86.9	91.6	91.9	93.7	94.2	94.2	94.4	94.4	94.4	94.6	94.6	94.8	94.8
GE 400	74.7	77.2	82.8	87.3	92.4	92.7	94.8	95.5	95.5	95.7	95.7	95.7	95.9	95.9	96.1	96.1
GE 300	74.7	77.2	82.8	87.5	92.8	93.2	95.4	96.5	96.5	96.9	97.0	97.0	97.2	97.2	97.4	97.4
GE 200	74.7	77.2	82.8	87.5	92.8	93.3	95.6	96.9	97.1	97.6	97.7	97.7	98.1	98.1	98.5	98.7
GE 100	74.7	77.2	82.8	87.5	92.8	93.3	95.6	96.9	97.1	97.7	98.2	98.2	98.6	98.6	99.4	99.9
GE 000	74.7	77.2	82.8	87.5	92.8	93.3	95.6	96.9	97.1	97.7	98.2	98.2	98.6	98.6	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 06-08

CEILING		VISIBILITY IN STATUTE MILES														
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.1	43.8	45.9	47.2	49.2	49.7	50.3	50.3	50.4	50.6	51.1	51.1	51.4	51.4	51.9	52.3
GE 20000	43.9	46.9	49.8	51.7	54.0	54.7	55.4	55.5	55.6	55.8	56.2	56.2	56.6	56.6	57.1	57.4
GE 18000	43.9	46.9	49.8	51.8	54.1	54.8	55.5	55.6	55.7	55.9	56.3	56.3	56.7	56.7	57.2	57.5
GE 16000	43.9	46.9	49.8	51.8	54.1	54.8	55.5	55.6	55.7	55.9	56.3	56.3	56.7	56.7	57.2	57.5
GE 14000	44.0	47.0	49.9	51.9	54.2	55.1	55.7	55.8	55.9	56.1	56.6	56.6	56.9	56.9	57.4	57.7
GE 12000	44.8	48.0	51.1	53.2	55.5	56.3	57.0	57.1	57.2	57.4	57.8	57.8	58.2	58.2	58.7	59.0
GE 10000	47.4	50.9	54.4	57.1	59.7	60.5	61.2	61.3	61.4	61.6	62.0	62.0	62.4	62.4	62.9	63.2
GE 9000	48.0	51.4	54.9	57.6	60.2	61.1	61.7	61.8	61.9	62.2	62.6	62.6	62.9	62.9	63.4	63.8
GE 8000	49.9	53.5	57.3	60.2	62.9	63.8	64.5	64.6	64.7	64.9	65.4	65.4	65.7	65.7	66.2	66.6
GE 7000	50.2	54.0	57.8	60.9	63.5	64.4	65.2	65.3	65.4	65.6	66.0	66.0	66.3	66.3	66.9	67.2
GE 6000	51.3	55.1	59.0	62.2	64.8	65.7	66.6	66.7	66.8	67.0	67.4	67.4	67.7	67.7	68.3	68.6
GE 5000	53.2	57.2	61.5	65.4	68.1	68.9	69.8	69.9	70.0	70.2	70.6	70.6	71.0	71.0	71.5	71.8
GE 4500	53.2	57.2	61.5	65.4	68.1	68.9	69.8	69.9	70.0	70.2	70.6	70.6	71.0	71.0	71.5	71.8
GE 4000	54.6	58.7	63.2	67.2	70.0	70.9	71.7	71.8	71.9	72.2	72.6	72.6	72.9	72.9	73.4	73.8
GE 3500	54.8	59.0	63.8	68.1	70.9	71.8	72.8	72.9	73.0	73.2	73.7	73.7	74.0	74.0	74.5	74.8
GE 3000	56.0	60.2	65.2	69.7	72.8	73.8	74.7	74.8	74.9	75.2	75.7	75.7	76.0	76.0	76.6	76.9
GE 2500	57.0	61.3	66.2	70.8	73.9	74.8	75.8	75.9	76.0	76.2	76.8	76.8	77.1	77.1	77.6	78.0
GE 2000	59.1	63.5	68.7	73.4	76.8	77.7	78.8	78.9	79.0	79.2	79.8	79.8	80.1	80.1	80.6	81.0
GE 1800	59.2	63.7	68.8	73.7	77.1	78.1	79.1	79.2	79.4	79.6	80.1	80.1	80.4	80.4	81.0	81.3
GE 1500	59.7	64.1	69.2	74.4	78.0	78.9	80.0	80.1	80.2	80.4	81.1	81.1	81.4	81.4	81.9	82.3
GE 1200	60.4	65.1	70.8	76.2	80.0	81.0	82.0	82.3	82.4	82.6	83.2	83.2	83.5	83.5	84.1	84.4
GE 1000	60.6	65.4	71.1	76.7	80.5	81.5	82.6	82.8	82.9	83.2	83.9	83.9	84.2	84.2	84.7	85.1
GE 900	61.1	65.9	71.8	77.4	81.8	83.0	84.2	84.4	84.5	84.8	85.5	85.5	85.8	85.8	86.3	86.7
GE 800	61.1	66.0	72.0	77.8	82.9	84.1	85.4	85.6	85.7	86.0	86.7	86.7	87.0	87.0	87.5	87.8
GE 700	61.1	66.2	72.5	78.6	83.9	85.3	86.7	86.9	87.0	87.3	88.1	88.1	88.4	88.4	88.9	89.2
GE 600	61.2	66.3	72.7	79.2	84.9	86.6	88.4	88.6	88.7	89.0	89.8	89.8	90.1	90.1	90.6	91.0
GE 500	61.3	66.5	72.8	79.7	86.2	88.1	90.4	90.9	91.0	91.3	92.0	92.0	92.4	92.4	92.9	93.2
GE 400	61.3	66.5	72.9	79.9	87.2	89.4	91.8	92.4	92.5	92.8	93.5	93.5	93.9	93.9	94.4	94.7
GE 300	61.3	66.5	72.9	79.9	87.5	89.7	92.3	92.9	93.1	93.5	94.4	94.4	94.9	94.9	95.8	96.3
GE 200	61.3	66.5	72.9	79.9	87.5	89.7	92.3	93.2	93.4	94.3	95.3	95.3	96.2	96.2	97.1	97.6
GE 100	61.3	66.5	72.9	79.9	87.5	89.7	92.3	93.2	93.4	94.3	95.4	95.4	96.6	96.6	98.3	99.4
GE 000	61.3	66.5	72.9	79.9	87.5	89.7	92.3	93.2	93.4	94.3	95.4	95.4	96.6	96.6	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION: "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.1	48.5	50.2	50.6	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6
GE 20000	48.8	54.2	56.6	57.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4
GE 18000	48.8	54.2	56.6	57.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4
GE 16000	48.8	54.2	56.6	57.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4
GE 14000	48.8	54.3	56.7	57.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5
GE 12000	50.3	55.8	58.7	59.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.5
GE 10000	52.8	59.1	62.4	63.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7
GE 9000	52.8	59.1	62.7	63.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.1
GE 8000	54.8	61.5	65.3	66.7	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3
GE 7000	55.1	61.7	65.7	67.2	68.7	69.1	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5
GE 6000	55.4	62.3	66.2	67.7	69.2	69.7	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0
GE 5000	57.0	64.3	69.1	70.6	72.3	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0
GE 4500	57.5	64.8	69.7	71.2	72.8	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.5
GE 4000	59.1	66.5	71.6	73.3	75.1	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8
GE 3500	59.7	67.1	72.4	74.3	76.0	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8
GE 3000	61.6	69.4	74.6	76.8	78.6	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.4
GE 2500	61.9	69.8	75.1	77.2	79.1	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.9
GE 2000	64.2	72.2	77.5	79.7	81.7	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
GE 1800	64.2	72.2	77.6	80.0	82.0	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.9
GE 1500	64.7	72.7	78.3	80.8	82.8	83.4	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.8
GE 1200	65.8	74.1	80.2	82.9	85.2	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.2
GE 1000	66.0	74.4	81.2	84.2	87.0	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.1
GE 900	66.1	74.6	81.9	85.2	88.1	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1
GE 800	66.5	74.9	82.4	86.1	89.6	90.4	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9
GE 700	67.0	76.1	83.5	87.5	91.5	92.4	92.7	92.9	92.9	92.9	92.9	92.9	93.2	93.2	93.2	93.3
GE 600	67.1	76.3	84.3	89.0	93.1	94.1	94.8	95.1	95.1	95.3	95.3	95.3	95.6	95.6	95.6	95.7
GE 500	67.1	76.3	84.7	89.8	94.4	95.5	96.2	96.6	96.7	96.9	96.9	96.9	97.2	97.2	97.2	97.3
GE 400	67.1	76.3	84.7	89.9	94.6	95.9	97.1	97.5	97.7	98.1	98.2	98.2	98.5	98.5	98.5	98.6
GE 300	67.1	76.3	84.7	90.0	94.8	96.2	97.4	97.8	98.1	98.5	98.6	98.6	98.9	98.9	98.9	99.0
GE 200	67.1	76.3	84.7	90.0	94.8	96.2	97.4	97.8	98.1	98.5	98.8	98.8	99.1	99.5	99.6	99.9
GE 100	67.1	76.3	84.7	90.0	94.8	96.2	97.4	97.8	98.1	98.5	98.8	98.8	99.1	99.6	99.7	100.0
GE 000	67.1	76.3	84.7	90.0	94.8	96.2	97.4	97.8	98.1	98.5	98.8	98.8	99.1	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 20000	58.6	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 18000	58.6	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 16000	58.6	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 14000	58.7	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 12000	59.5	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 10000	62.2	65.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 9000	62.4	65.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 8000	64.9	68.2	69.6	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 7000	65.2	68.5	70.2	70.8	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 6000	65.4	68.8	70.6	71.2	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 5000	66.6	70.2	72.4	72.9	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 4500	67.0	70.6	72.8	73.4	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 4000	69.9	73.5	76.0	76.7	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 3500	71.4	75.2	77.7	78.5	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 3000	74.4	78.3	81.2	82.2	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 2500	75.4	79.4	82.3	83.2	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 2000	77.6	81.8	84.8	86.3	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 1800	77.7	82.0	85.3	86.8	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 1500	78.1	82.6	86.1	87.6	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 1200	78.7	83.7	87.8	89.8	90.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1000	79.2	84.6	89.0	91.5	92.5	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 900	79.5	84.9	89.4	92.4	93.3	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 800	80.0	85.8	90.4	93.8	94.9	95.3	95.4	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 700	80.4	86.3	91.3	95.5	6.8	97.1	97.4	97.6	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8
GE 600	80.4	86.6	91.5	95.9	97.5	98.1	98.4	98.7	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	80.5	86.7	91.6	96.0	97.6	98.2	98.5	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	80.5	86.7	91.6	96.0	97.7	98.3	98.9	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	80.5	86.7	91.6	96.0	97.7	98.3	98.9	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	80.5	86.7	91.6	96.0	97.7	98.3	98.9	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	80.5	86.7	91.6	96.0	97.7	98.3	98.9	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	80.5	86.7	91.6	96.0	97.7	98.3	98.9	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.9	49.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 20000	59.2	60.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 18000	59.2	60.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 16000	59.2	60.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 14000	59.6	61.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 12000	61.6	63.1	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 10000	64.5	66.1	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 9000	65.2	66.8	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 8000	66.8	68.5	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 7000	67.4	69.4	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 6000	67.4	69.5	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 5000	69.6	71.8	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 4500	70.6	73.1	75.3	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 4000	75.6	78.2	80.3	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 3500	77.2	79.9	82.2	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 3000	79.9	82.7	84.9	85.4	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 2500	81.3	84.1	86.8	87.4	88.1	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 2000	82.7	86.1	89.6	90.3	91.0	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1800	82.7	86.1	89.6	90.3	91.0	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1500	83.4	87.2	90.8	91.6	92.4	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1200	84.3	88.2	91.7	92.8	94.0	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1000	84.4	88.6	92.5	93.9	95.1	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 900	84.7	88.9	92.9	94.8	96.1	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.9	96.9	96.9
GE 800	85.1	89.4	93.3	95.5	97.3	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	98.2	98.2	98.2
GE 700	85.2	89.7	93.7	95.9	97.8	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.7	98.7
GE 600	85.3	89.8	94.1	96.5	98.4	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.2	99.2	99.2
GE 500	85.3	89.8	94.1	96.5	98.5	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.4	99.4	99.4
GE 400	85.3	89.8	94.1	96.5	98.5	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
GE 300	85.3	89.8	94.1	96.5	98.5	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
GE 200	85.3	89.8	94.1	96.5	98.5	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
GE 100	85.3	89.8	94.1	96.5	98.5	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0
GE 000	85.3	89.8	94.1	96.5	98.5	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	54.5	55.9	56.9	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 20000	61.3	63.4	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 18000	61.3	63.4	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 16000	61.3	63.4	64.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 14000	61.4	63.5	64.7	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 12000	62.2	64.2	65.8	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 10000	65.7	68.0	69.7	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 9000	66.6	68.9	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 8000	70.0	72.3	74.0	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 7000	71.1	73.4	75.2	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 6000	71.3	73.6	75.4	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 5000	74.0	76.3	78.2	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 4500	74.7	76.9	78.9	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 4000	76.6	79.2	81.5	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 3500	78.4	81.1	83.5	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 3000	80.0	82.9	85.6	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 2500	81.5	84.4	87.3	88.6	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 2000	82.3	85.7	88.8	90.3	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1800	82.5	86.1	89.2	90.7	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 1500	82.9	86.5	89.8	91.4	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1200	83.3	87.1	90.5	92.3	93.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.1
GE 1000	83.4	87.3	90.8	92.9	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.0
GE 900	83.7	87.6	91.3	93.3	95.4	95.7	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.1	96.1
GE 800	83.8	87.8	91.5	93.9	95.9	96.2	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	97.0	97.0
GE 700	83.9	88.1	91.8	94.2	96.8	97.2	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	98.0	98.0
GE 600	83.9	88.3	92.1	94.7	97.4	97.8	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.8	98.8
GE 500	83.9	88.3	92.2	94.9	97.6	98.1	98.6	98.7	98.7	98.9	98.9	98.9	98.9	98.9	99.1	99.1
GE 400	83.9	88.3	92.2	94.9	97.7	98.4	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.9	99.9
GE 300	83.9	88.3	92.2	94.9	97.7	98.4	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.9	99.9
GE 200	83.9	88.3	92.2	94.9	97.7	98.4	99.2	99.5	99.6	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 100	83.9	88.3	92.2	94.9	97.7	98.4	99.2	99.5	99.6	99.8	99.8	99.8	99.8	99.8	100.0	100.0
GE 000	83.9	88.3	92.2	94.9	97.7	98.4	99.2	99.5	99.6	99.8	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 928

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	61.1	62.1	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 20000	67.4	68.7	69.9	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 18000	67.4	68.7	69.9	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 16000	67.4	68.7	69.9	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 14000	67.9	69.1	70.3	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 12000	68.5	69.8	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 10000	70.8	72.1	73.2	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 9000	71.3	72.6	73.8	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 8000	74.8	76.1	77.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 7000	75.2	76.5	77.7	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 6000	75.6	76.9	78.1	79.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 5000	77.5	78.9	80.2	81.2	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 4500	78.0	79.4	80.7	81.8	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 4000	81.2	82.6	84.7	86.1	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 3500	82.0	83.4	85.4	86.9	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 3000	82.6	84.0	86.2	87.7	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 2500	83.3	84.7	86.9	88.5	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 2000	83.9	85.4	87.9	89.5	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1800	83.9	85.4	87.9	89.5	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1500	84.3	85.8	88.6	90.2	91.0	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 1200	84.5	86.0	89.5	91.2	92.2	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1000	84.7	86.4	90.1	91.7	93.1	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 900	84.9	86.8	90.7	92.4	93.9	94.1	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 800	85.0	87.4	91.3	93.2	94.6	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 700	85.0	87.6	91.6	93.6	95.4	95.8	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 600	85.0	87.7	91.7	94.2	96.1	96.5	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 500	85.0	87.8	91.8	94.4	96.9	97.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5
GE 400	85.0	87.8	91.8	94.4	97.0	97.4	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
GE 300	85.0	87.8	91.8	94.4	97.1	97.6	99.2	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.8
GE 200	85.0	87.8	91.8	94.4	97.1	97.6	99.2	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 100	85.0	87.8	91.8	94.4	97.1	97.6	99.2	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	85.0	87.8	91.8	94.4	97.1	97.6	99.2	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

\*PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO. CEIL	51.2	53.0	54.2	54.9	55.4	55.5	55.6	55.6	55.6	55.7	55.7	55.7	55.8	55.8	55.8	55.9
GE 20000	57.3	59.6	61.1	62.0	62.6	62.7	62.8	62.8	62.9	62.9	62.9	62.9	63.0	63.0	63.1	63.2
GE 18000	57.3	59.6	61.1	62.0	62.6	62.7	62.8	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.1	63.2
GE 16000	57.3	59.6	61.1	62.0	62.6	62.7	62.8	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.1	63.2
GE 14000	57.5	59.8	61.3	62.2	62.9	63.0	63.0	63.1	63.1	63.1	63.2	63.2	63.3	63.3	63.3	63.4
GE 12000	58.6	61.0	62.8	63.7	64.4	64.5	64.5	64.6	64.6	64.7	64.7	64.7	64.8	64.8	64.9	64.9
GE 10000	61.3	63.9	65.9	66.9	67.6	67.7	67.8	67.9	67.9	67.9	68.0	68.0	68.1	68.1	68.1	68.2
GE 9000	61.7	64.4	66.4	67.4	68.1	68.2	68.3	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.6	68.7
GE 8000	64.0	66.9	69.0	70.2	70.9	71.0	71.1	71.2	71.2	71.3	71.3	71.3	71.4	71.4	71.5	71.5
GE 7000	64.5	67.4	69.7	71.0	71.8	72.0	72.1	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.4	72.5
GE 6000	65.0	67.9	70.2	71.5	72.4	72.5	72.7	72.8	72.8	72.8	72.9	72.9	72.9	72.9	73.0	73.1
GE 5000	66.7	69.9	72.4	73.8	74.8	74.9	75.1	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.4	75.5
GE 4500	67.3	70.5	73.0	74.4	75.4	75.5	75.7	75.8	75.8	75.8	75.9	75.9	75.9	75.9	76.0	76.1
GE 4000	69.8	73.0	75.8	77.4	78.4	78.6	78.8	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.1	79.2
GE 3500	70.8	74.1	77.0	78.7	79.8	80.0	80.1	80.2	80.2	80.3	80.3	80.3	80.4	80.4	80.5	80.5
GE 3000	72.3	75.8	78.8	80.7	81.8	82.0	82.2	82.3	82.3	82.3	82.4	82.4	82.5	82.5	82.5	82.6
GE 2500	73.2	76.7	79.9	81.7	83.1	83.3	83.5	83.6	83.6	83.6	83.7	83.7	83.8	83.8	83.8	83.9
GE 2000	74.7	78.4	81.8	83.8	85.3	85.6	85.7	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.1	86.2
GE 1800	74.8	78.6	82.1	84.2	85.7	86.0	86.1	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.5	86.6
GE 1500	75.4	79.3	82.9	85.1	86.7	87.0	87.2	87.3	87.3	87.4	87.5	87.5	87.5	87.5	87.6	87.7
GE 1200	76.1	80.2	84.3	86.7	88.6	89.0	89.2	89.3	89.4	89.4	89.5	89.5	89.6	89.6	89.7	89.7
GE 1000	76.4	80.7	85.1	87.8	89.8	90.2	90.6	90.7	90.7	90.8	90.8	90.8	90.9	90.9	91.0	91.1
GE 900	76.7	81.1	85.7	88.6	90.9	91.4	91.8	91.9	91.9	92.0	92.1	92.1	92.2	92.2	92.3	92.4
GE 800	76.9	81.4	86.1	89.3	91.8	92.4	92.8	93.0	93.0	93.1	93.2	93.2	93.3	93.3	93.4	93.5
GE 700	77.1	81.8	86.7	90.1	93.0	93.5	94.1	94.3	94.3	94.4	94.5	94.5	94.6	94.6	94.8	94.8
GE 600	77.2	82.0	87.0	90.7	93.8	94.5	95.2	95.4	95.4	95.5	95.6	95.6	95.8	95.8	95.9	96.0
GE 500	77.2	82.0	87.2	91.1	94.7	95.4	96.3	96.6	96.7	96.8	96.9	96.9	97.1	97.1	97.2	97.3
GE 400	77.3	82.1	87.3	91.3	95.0	95.9	97.2	97.6	97.6	97.8	97.9	97.9	98.1	98.1	98.2	98.3
GE 300	77.3	82.1	87.3	91.3	95.2	96.1	97.5	98.0	98.0	98.3	98.4	98.4	98.7	98.7	98.8	98.9
GE 200	77.3	82.1	87.3	91.3	95.2	96.2	97.6	98.1	98.2	98.5	98.7	98.7	99.0	99.1	99.3	99.5
GE 100	77.3	82.1	87.3	91.3	95.2	96.2	97.6	98.1	98.2	98.6	98.9	98.9	99.2	99.2	99.6	99.9
GE 000	77.3	82.1	87.3	91.3	95.2	96.2	97.6	98.1	98.2	98.6	98.9	98.9	99.2	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7435

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	67.7	68.4	69.3	69.6	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0
GE 20000	72.3	73.3	74.3	74.7	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1
GE 18000	72.3	73.3	74.3	74.7	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1
GE 16000	72.3	73.3	74.3	74.7	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1
GE 14000	72.9	74.0	75.0	75.3	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8
GE 12000	74.8	75.9	76.9	77.2	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7
GE 10000	78.0	79.6	80.6	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4
GE 9000	78.3	79.9	80.9	81.3	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8
GE 8000	80.4	82.0	83.1	83.6	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1
GE 7000	80.9	82.4	83.6	84.0	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.6
GE 6000	81.3	82.9	84.0	84.4	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0
GE 5000	83.1	84.7	85.9	86.3	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9
GE 4500	83.3	84.9	86.1	86.7	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2
GE 4000	85.0	86.6	88.0	88.6	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1
GE 3500	85.4	87.0	88.4	89.0	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7
GE 3000	86.6	88.2	90.0	90.6	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3
GE 2500	87.0	88.7	90.8	91.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1	92.1
GE 2000	87.9	89.9	92.1	92.7	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 1800	87.9	89.9	92.1	92.7	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 1500	88.2	90.2	92.4	93.1	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9
GE 1200	88.4	90.4	92.7	93.3	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2
GE 1000	88.8	90.8	93.2	94.2	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.1	95.1	95.1	95.1
GE 900	88.9	91.0	93.6	94.6	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4
GE 800	89.1	91.3	94.1	95.4	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3
GE 700	89.2	91.6	94.6	96.0	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1
GE 600	89.2	91.7	94.8	96.7	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0
GE 500	89.2	91.7	95.1	97.2	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7
GE 400	89.2	91.7	95.1	97.2	98.3	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1
GE 300	89.2	91.7	95.1	97.2	98.4	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
GE 200	89.2	91.7	95.1	97.2	98.4	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7
GE 100	89.2	91.7	95.1	97.2	98.4	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.6	99.7	99.7	99.7
GE 000	89.2	91.7	95.1	97.2	98.4	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	61.7	62.9	64.0	64.8	65.3	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0
GE 20000	66.6	67.8	69.1	70.1	70.7	71.0	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.4	71.4
GE 18000	66.6	67.8	69.1	70.1	70.7	71.0	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.4	71.4
GE 16000	66.7	67.9	69.2	70.2	70.8	71.1	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.6	71.6
GE 14000	67.1	68.4	69.8	70.8	71.3	71.7	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.1	72.1
GE 12000	68.1	69.4	70.8	71.8	72.3	72.7	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.1	73.1
GE 10000	70.7	72.0	73.4	74.6	75.2	75.6	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	76.0	76.0
GE 9000	70.8	72.1	73.6	74.7	75.3	75.7	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.1	76.1
GE 8000	73.2	74.8	76.2	77.3	78.1	78.4	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.9	78.9
GE 7000	73.8	75.3	76.8	77.9	78.7	79.0	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.4	79.4
GE 6000	74.2	75.8	77.2	78.3	79.1	79.4	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.9	79.9
GE 5000	76.4	78.1	80.1	81.2	82.1	82.4	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	83.0	83.0
GE 4500	77.1	78.8	80.8	81.9	82.8	83.1	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.8	83.8
GE 4000	78.3	80.2	82.2	83.3	84.3	84.5	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.3	85.3
GE 3500	78.8	80.7	82.8	83.9	84.9	85.2	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.9	85.9
GE 3000	79.6	81.6	83.7	85.0	86.1	86.6	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.2	87.2
GE 2500	80.0	82.1	84.2	85.6	86.7	87.1	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.8	87.8
GE 2000	80.8	82.9	85.0	86.4	87.7	88.1	88.8	88.8	88.8	88.9	88.9	88.9	89.0	89.0	89.1	89.1
GE 1800	80.9	83.0	85.1	86.6	87.8	88.2	88.9	88.9	88.9	89.0	89.0	89.0	89.1	89.1	89.2	89.2
GE 1500	81.2	83.3	85.4	86.9	88.2	88.7	89.3	89.3	89.3	89.4	89.4	89.4	89.6	89.6	89.7	89.7
GE 1200	82.3	84.4	86.7	88.2	89.7	90.1	90.8	90.8	90.8	90.9	90.9	90.9	91.0	91.0	91.1	91.1
GE 1000	82.6	84.7	86.9	88.9	90.6	91.0	91.7	91.7	91.7	91.8	91.8	91.8	91.9	91.9	92.0	92.0
GE 900	82.8	84.9	87.1	89.1	90.8	91.2	91.9	91.9	91.9	92.0	92.0	92.0	92.1	92.1	92.2	92.2
GE 800	83.0	85.3	87.9	89.9	92.1	92.6	93.2	93.2	93.2	93.3	93.3	93.3	93.4	93.4	93.6	93.6
GE 700	83.2	85.6	88.1	90.2	92.8	93.2	94.0	94.0	94.0	94.1	94.1	94.1	94.2	94.2	94.3	94.3
GE 600	83.4	85.8	88.3	90.8	93.4	93.9	94.7	94.7	94.7	94.8	94.8	94.8	94.9	94.9	95.0	95.0
GE 500	83.4	85.8	88.4	91.1	94.1	94.7	95.7	95.8	95.8	95.9	95.9	95.9	96.0	96.0	96.1	96.1
GE 400	83.4	85.8	88.7	91.9	95.6	96.1	97.1	97.2	97.3	97.6	97.6	97.6	97.7	97.7	97.8	97.8
GE 300	83.4	85.8	88.7	92.0	96.0	96.8	97.8	97.9	98.0	98.2	98.2	98.2	98.3	98.3	98.4	98.7
GE 200	83.4	85.8	88.7	92.0	96.1	97.1	98.3	98.4	98.6	98.8	98.8	98.8	99.0	99.0	99.1	99.3
GE 100	83.4	85.8	88.7	92.0	96.1	97.1	98.3	98.4	98.6	98.8	98.8	98.8	99.0	99.0	99.1	99.3
GE 000	83.4	85.8	88.7	92.0	96.1	97.1	98.3	98.4	98.6	98.8	98.8	98.8	99.0	99.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.2	50.3	55.6	57.7	59.7	60.1	60.2	60.3	60.4	60.6	60.6	60.6	60.7	60.7	60.7	60.7
GE 20000	49.7	55.2	61.4	63.9	66.3	66.9	67.0	67.1	67.2	67.3	67.3	67.3	67.7	67.8	67.8	67.8
GE 18000	49.7	55.2	61.4	63.9	66.3	66.9	67.0	67.1	67.2	67.3	67.3	67.3	67.7	67.8	67.8	67.8
GE 16000	49.7	55.2	61.4	63.9	66.3	66.9	67.0	67.1	67.2	67.3	67.3	67.3	67.7	67.8	67.8	67.8
GE 14000	50.8	56.3	62.6	65.0	67.4	68.0	68.1	68.2	68.3	68.4	68.4	68.4	68.8	68.9	68.9	68.9
GE 12000	51.7	57.3	64.0	66.4	69.1	69.7	69.8	69.9	70.0	70.1	70.1	70.1	70.6	70.7	70.8	70.8
GE 10000	53.8	59.6	66.4	69.2	72.1	72.7	72.8	72.9	73.0	73.2	73.2	73.2	73.7	73.8	73.9	73.9
GE 9000	54.1	59.9	66.8	69.6	72.4	73.0	73.1	73.2	73.3	73.6	73.6	73.6	74.0	74.1	74.2	74.2
GE 8000	56.6	62.7	69.9	72.8	75.8	76.3	76.4	76.7	76.8	77.0	77.0	77.0	77.4	77.6	77.7	77.7
GE 7000	56.8	62.9	70.4	73.3	76.3	76.9	77.0	77.2	77.3	77.6	77.6	77.6	78.0	78.1	78.2	78.2
GE 6000	57.1	63.3	71.0	73.9	76.9	77.4	77.6	77.8	77.9	78.1	78.1	78.1	78.6	78.7	78.8	78.8
GE 5000	58.9	65.6	73.7	76.6	79.7	80.2	80.6	80.8	80.9	81.1	81.1	81.1	81.6	81.7	81.8	81.8
GE 4500	59.2	66.1	74.2	77.2	80.4	81.0	81.3	81.6	81.7	81.9	81.9	81.9	82.3	82.4	82.6	82.6
GE 4000	59.7	66.7	74.9	78.1	81.6	82.1	82.4	82.7	82.8	83.0	83.0	83.0	83.4	83.6	83.7	83.7
GE 3500	60.0	67.0	75.2	78.4	81.9	82.4	82.8	83.0	83.1	83.3	83.3	83.3	83.8	83.9	84.0	84.0
GE 3000	60.4	67.6	75.8	79.3	83.0	83.6	83.9	84.1	84.3	84.6	84.6	84.6	85.1	85.2	85.3	85.3
GE 2500	60.9	68.0	76.2	79.9	83.6	84.1	84.4	84.7	84.9	85.1	85.1	85.1	85.7	85.8	85.9	85.9
GE 2000	62.1	69.4	77.7	81.6	85.6	86.2	86.6	86.8	87.0	87.2	87.2	87.2	87.8	87.9	88.0	88.0
GE 1800	62.2	69.6	77.8	81.7	85.7	86.3	86.7	86.9	87.1	87.3	87.3	87.3	87.9	88.0	88.1	88.1
GE 1500	62.4	69.9	78.2	82.1	86.6	87.3	87.7	87.9	88.1	88.3	88.3	88.3	88.9	89.0	89.1	89.1
GE 1200	62.8	70.3	79.0	83.0	87.4	88.4	88.8	89.0	89.2	89.4	89.4	89.4	90.0	90.1	90.2	90.2
GE 1000	63.0	70.6	79.4	83.7	88.2	89.2	89.6	89.8	90.0	90.2	90.2	90.2	90.8	90.9	91.0	91.0
GE 900	63.0	70.6	80.1	84.6	89.2	90.3	90.8	91.0	91.2	91.4	91.4	91.4	92.0	92.1	92.2	92.2
GE 800	63.2	70.8	80.7	85.4	90.1	91.2	92.0	92.2	92.4	92.7	92.7	92.7	93.2	93.3	93.4	93.4
GE 700	63.2	70.8	80.8	85.7	90.3	91.6	92.4	92.9	93.1	93.3	93.3	93.3	93.9	94.0	94.1	94.1
GE 600	63.2	70.8	81.0	86.1	91.1	92.4	93.7	94.1	94.3	94.6	94.6	94.6	95.1	95.2	95.3	95.3
GE 500	63.2	70.9	81.1	86.3	91.7	93.2	94.4	95.0	95.2	95.4	95.4	95.4	96.0	96.1	96.2	96.2
GE 400	63.2	71.1	81.3	86.8	92.6	94.2	95.7	96.3	96.6	96.8	96.8	96.8	97.3	97.4	97.6	97.6
GE 300	63.2	71.1	81.3	86.9	92.7	94.3	96.0	96.7	96.9	97.2	97.4	97.4	98.0	98.1	98.2	98.2
GE 200	63.2	71.1	81.3	86.9	92.7	94.4	96.3	97.0	97.2	97.7	98.0	98.0	98.6	98.7	98.9	98.9
GE 100	63.2	71.1	81.3	86.9	92.7	94.4	96.3	97.0	97.2	97.7	98.0	98.0	98.7	98.8	99.1	99.6
GE 000	63.2	71.1	81.3	86.9	92.7	94.4	96.3	97.0	97.2	97.7	98.0	98.0	98.7	98.8	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN-STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.6	58.8	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 20000	63.3	66.6	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 18000	63.3	66.6	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 16000	63.3	66.6	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 14000	64.2	67.4	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 12000	65.8	69.3	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 10000	68.4	72.1	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 9000	68.8	72.4	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 8000	70.7	75.0	78.4	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 7000	70.9	75.3	78.8	79.3	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 6000	71.2	75.7	79.2	79.9	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 5000	71.7	76.1	80.0	80.8	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 4500	72.4	76.9	80.9	81.9	82.3	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 4000	74.0	78.7	82.9	84.1	84.8	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 3500	74.9	79.6	83.8	85.0	85.8	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 3000	76.7	81.3	85.7	87.0	87.9	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 2500	77.6	82.3	86.7	88.1	89.1	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 2000	78.4	83.3	87.7	89.1	90.2	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1800	79.0	83.9	88.3	89.8	90.9	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 1500	79.6	84.6	89.1	90.7	91.8	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 1200	80.1	85.4	90.2	92.4	93.8	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1000	80.6	86.1	90.9	93.2	94.6	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 900	80.6	86.3	91.1	93.4	95.0	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 800	80.9	86.8	91.6	94.0	95.7	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 700	80.9	86.8	91.7	94.3	96.3	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 600	1.1	87.0	91.9	94.7	96.9	97.3	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 500	81.1	87.0	91.9	94.9	97.2	97.7	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 400	81.1	87.0	91.9	95.1	97.4	98.0	98.7	98.8	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	81.1	87.0	91.9	95.3	97.8	98.3	99.1	99.2	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9
GE 200	81.1	87.0	91.9	95.3	97.8	98.3	99.1	99.2	99.2	99.7	99.8	99.8	99.9	99.9	99.9	99.9
GE 100	81.1	87.0	91.9	95.3	97.8	98.3	99.1	99.2	99.2	99.7	99.8	99.8	99.9	99.9	99.9	100.0
GE 000	81.1	87.0	91.9	95.3	97.8	98.3	99.1	99.2	99.2	99.7	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.9	57.8	58.4	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 20000	65.2	66.2	67.1	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 18000	65.4	66.4	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 16000	65.4	66.4	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 14000	66.1	67.1	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 12000	67.9	69.2	70.1	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 10000	70.7	72.1	73.0	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 9000	71.2	72.7	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 8000	74.3	76.1	77.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 7000	74.7	76.4	77.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 6000	75.2	77.0	77.9	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 5000	76.3	78.1	79.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 4500	77.3	79.1	80.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 4000	80.6	82.6	83.7	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 3500	82.7	85.2	86.6	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 3000	85.1	87.9	89.2	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 2500	86.1	89.1	90.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 2000	87.7	90.7	92.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1800	87.9	90.9	93.2	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1500	88.1	91.2	93.8	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 1200	88.3	91.8	94.4	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1000	88.7	92.1	95.0	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 900	88.8	92.2	95.1	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 800	88.8	92.2	95.2	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	88.8	92.2	95.2	98.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	88.8	92.2	95.2	98.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	88.8	92.2	95.2	98.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	88.8	92.2	95.2	98.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	88.8	92.2	95.2	98.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	88.8	92.2	95.2	98.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	88.8	92.2	95.2	98.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	88.8	92.2	95.2	98.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.3	56.9	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 20000	66.1	67.1	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 18000	66.2	67.2	68.1	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 16000	66.2	67.2	68.1	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 14000	67.1	68.1	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 12000	68.2	69.4	70.3	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 10000	71.4	72.8	73.8	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 9000	72.1	73.4	74.4	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 8000	75.4	77.0	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 7000	76.0	77.6	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 6000	77.6	79.2	80.2	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 5000	79.4	81.4	82.6	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 4500	80.8	82.8	84.0	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 4000	82.9	85.1	86.7	87.4	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 3500	84.4	87.0	88.7	89.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 3000	86.3	89.0	90.8	91.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 2500	87.7	90.3	92.6	93.7	94.8	94.9	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 2000	89.0	91.7	93.9	95.2	96.4	96.8	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1800	89.0	91.7	93.9	95.2	96.4	96.8	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1500	89.1	91.8	94.1	95.4	96.7	97.0	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1200	89.4	92.1	94.7	96.0	97.3	97.8	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1000	89.6	92.2	94.9	96.2	97.6	98.1	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 900	89.6	92.2	94.9	96.2	98.0	98.6	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 800	89.6	92.2	94.9	96.3	98.1	98.7	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	89.6	92.2	94.9	96.4	98.3	99.0	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	89.6	92.2	94.9	96.7	98.6	99.2	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	89.6	92.2	94.9	96.7	98.6	99.2	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	89.6	92.2	94.9	96.7	98.6	99.2	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	89.6	92.2	94.9	96.7	98.6	99.2	99.6	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 200	89.6	92.2	94.9	96.7	98.6	99.2	99.6	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	89.6	92.2	94.9	96.7	98.6	99.2	99.6	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	89.6	92.2	94.9	96.7	98.6	99.2	99.6	99.6	99.6	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.8	60.6	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 20000	69.1	70.2	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 18000	69.2	70.3	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 16000	69.2	70.3	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 14000	69.9	71.0	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 12000	71.1	72.3	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 10000	73.8	75.1	76.4	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 9000	74.3	75.8	77.1	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 8000	77.6	79.2	81.1	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 7000	78.2	80.0	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 6000	78.9	81.2	83.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 5000	81.0	83.4	85.9	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 4500	82.1	84.6	87.0	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 4000	84.0	86.4	89.1	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 3500	84.6	87.0	89.8	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 3000	85.4	88.3	91.8	93.0	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 2500	85.9	88.8	92.2	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 2000	86.7	89.7	93.2	94.7	95.4	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1800	86.7	89.7	93.2	94.7	95.4	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1500	86.9	89.9	93.6	95.1	95.9	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 1200	87.4	90.4	94.1	95.8	96.7	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1000	87.6	90.6	94.2	96.1	97.1	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 900	87.7	90.7	94.4	96.4	97.4	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 800	87.8	90.8	94.6	96.7	97.7	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	87.8	90.8	94.6	96.9	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	87.8	90.8	94.6	96.9	98.2	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	87.8	90.8	94.6	96.9	98.2	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	87.8	90.8	94.6	96.9	98.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	87.8	90.8	94.6	96.9	98.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	87.8	90.8	94.6	96.9	98.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	87.8	90.8	94.6	96.9	98.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	87.8	90.8	94.6	96.9	98.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: 21-23

CEILING IN FEET.	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	66.3	67.0	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 20000	72.9	73.6	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 18000	72.9	73.6	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 16000	72.9	73.6	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 14000	73.8	74.4	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 12000	74.8	75.4	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 10000	78.9	79.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 9000	79.4	80.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 8000	83.0	83.9	85.1	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 7000	83.9	84.8	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 6000	84.4	85.3	86.7	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 5000	85.9	86.8	88.1	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 4500	86.7	87.6	88.9	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 4000	88.2	89.3	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 3500	88.9	90.0	91.3	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 3000	89.6	90.8	92.2	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 2500	90.2	91.6	93.0	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 2000	90.9	92.2	93.8	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1800	91.0	92.6	94.1	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 1500	91.0	92.6	94.1	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1200	91.2	92.8	94.4	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1000	91.2	92.8	94.4	95.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 900	91.2	92.8	94.7	95.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 800	91.7	93.2	95.3	96.1	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 700	91.7	93.3	95.6	96.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 600	91.7	93.3	95.6	96.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 500	91.8	93.4	95.7	97.3	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	91.8	93.4	95.7	97.3	98.8	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	91.8	93.4	95.9	97.6	99.0	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	91.8	93.4	95.9	97.6	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	91.8	93.4	95.9	97.6	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	91.8	93.4	95.9	97.6	99.0	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.8	60.3	61.9	62.5	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 20000	65.7	67.5	69.3	70.0	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7
GE 18000	65.7	67.6	69.4	70.1	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8
GE 16000	65.7	67.6	69.4	70.1	70.5	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8
GE 14000	66.5	68.4	70.2	70.9	71.3	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.6	71.6	71.6	71.6
GE 12000	67.8	69.8	71.8	72.4	72.9	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2
GE 10000	70.7	72.9	75.0	75.7	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.5	76.5	76.5	76.5
GE 9000	71.1	73.3	75.4	76.2	76.6	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9	77.0	77.0	77.0
GE 8000	73.9	76.3	78.6	79.5	80.0	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4
GE 7000	74.4	76.8	79.2	80.1	80.6	80.8	80.8	80.8	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0
GE 6000	75.0	77.6	79.9	80.9	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8
GE 5000	76.6	79.3	81.9	82.9	83.6	83.7	83.8	83.8	83.8	83.9	83.9	83.9	83.9	84.0	84.0	84.0
GE 4500	77.4	80.1	82.7	83.8	84.5	84.6	84.7	84.7	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9
GE 4000	79.1	81.9	84.8	86.0	86.8	87.0	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.3	87.3	87.3
GE 3500	80.0	82.9	85.8	87.1	88.0	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4
GE 3000	81.2	84.3	87.4	88.8	89.8	90.0	90.1	90.1	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3
GE 2500	81.9	85.1	88.3	89.8	90.8	91.0	91.2	91.2	91.2	91.3	91.3	91.3	91.4	91.4	91.4	91.4
GE 2000	82.9	86.2	89.5	91.1	92.2	92.5	92.7	92.7	92.7	92.8	92.8	92.8	92.9	92.9	92.9	92.9
GE 1800	83.1	86.4	89.7	91.3	92.4	92.7	92.9	92.9	93.0	93.0	93.0	93.0	93.1	93.2	93.2	93.2
GE 1500	83.3	86.7	90.1	91.8	93.0	93.3	93.5	93.5	93.6	93.6	93.6	93.6	93.7	93.7	93.8	93.8
GE 1200	83.8	87.2	90.8	92.6	93.9	94.3	94.5	94.6	94.6	94.7	94.7	94.7	94.8	94.8	94.8	94.8
GE 1000	84.0	87.5	91.1	93.1	94.5	94.9	95.2	95.2	95.2	95.3	95.3	95.3	95.4	95.4	95.4	95.4
GE 900	84.1	87.6	91.4	93.4	94.9	95.4	95.6	95.6	95.7	95.7	95.7	95.7	95.8	95.8	95.9	95.9
GE 800	84.3	87.8	91.8	94.0	95.6	96.1	96.4	96.4	96.4	96.5	96.5	96.5	96.6	96.6	96.6	96.6
GE 700	84.3	87.9	91.9	94.3	96.1	96.6	96.9	97.0	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2
GE 600	84.3	88.0	92.0	94.6	96.6	97.1	97.5	97.6	97.6	97.7	97.7	97.7	97.8	97.8	97.8	97.8
GE 500	84.4	88.0	92.1	94.8	97.0	97.6	98.1	98.2	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5
GE 400	84.4	88.0	92.2	95.0	97.4	98.1	98.6	98.8	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.1
GE 300	84.4	88.0	92.2	95.1	97.6	98.3	98.9	99.1	99.1	99.3	99.3	99.3	99.4	99.5	99.5	99.5
GE 200	84.4	88.0	92.2	95.1	97.6	98.4	99.0	99.2	99.2	99.4	99.5	99.5	99.6	99.7	99.7	99.8
GE 100	84.4	88.0	92.2	95.1	97.6	98.4	99.0	99.2	99.2	99.4	99.5	99.5	99.6	99.7	99.7	99.8
GE 000	84.4	88.0	92.2	95.1	97.6	98.4	99.0	99.2	99.2	99.4	99.5	99.5	99.6	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7200



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	63.3	64.1	64.9	65.1	65.7	65.7	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 20000	67.1	68.0	69.0	69.2	70.0	70.0	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 18000	67.1	68.0	69.0	69.2	70.0	70.0	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 16000	67.4	68.3	69.4	69.6	70.3	70.3	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 14000	68.1	68.9	70.1	70.3	71.1	71.1	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 12000	68.8	69.7	70.9	71.1	71.8	71.8	72.0	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 10000	72.4	73.4	74.6	74.9	76.2	76.2	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 9000	73.8	74.8	76.0	76.3	77.6	77.6	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 8000	77.2	78.3	79.7	80.2	81.7	81.7	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 7000	78.3	79.4	80.8	81.3	82.8	82.8	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 6000	78.9	80.0	81.5	82.2	83.7	83.7	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 5000	80.8	81.8	83.4	84.1	85.6	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 4500	81.3	82.4	84.0	84.6	86.1	86.1	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 4000	82.5	83.5	85.3	86.1	87.7	87.7	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 3500	83.2	84.3	86.0	86.9	88.6	88.6	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 3000	84.2	85.3	87.1	88.0	89.7	89.7	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 2500	84.8	85.9	87.7	88.6	90.3	90.3	90.6	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 2000	85.7	86.9	88.7	89.6	91.3	91.3	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 1800	85.8	87.1	88.9	89.8	91.6	91.6	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1500	86.5	87.8	89.7	90.6	92.5	92.6	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 1200	86.9	88.3	90.2	91.3	93.1	93.2	93.5	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1000	87.4	88.8	90.9	92.3	94.5	94.6	94.9	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 900	87.6	89.0	91.2	92.6	94.9	95.2	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 800	87.8	89.4	91.6	93.3	95.8	96.0	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 700	87.8	89.4	91.8	93.8	96.7	96.9	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 600	88.3	89.8	92.3	94.2	97.2	97.4	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 500	88.3	89.8	92.4	94.4	97.5	97.7	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 400	88.3	89.8	92.4	94.6	97.7	98.0	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 300	88.3	89.8	92.4	94.6	98.3	98.5	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	88.3	89.8	92.4	94.6	98.5	98.7	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7
GE 100	88.3	89.8	92.4	94.6	98.5	98.7	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.8	99.9	100.0
GE 000	88.3	89.8	92.4	94.6	98.5	98.7	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE-NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.0	55.4	59.0	61.1	62.8	62.8	63.0	63.1	63.1	63.2	63.2	63.2	63.3	63.3	63.3	63.3
GE 20000	57.8	60.5	64.8	67.1	68.8	68.8	69.0	69.1	69.2	69.4	69.4	69.4	69.5	69.5	69.5	69.5
GE 18000	57.8	60.5	64.8	67.1	68.8	68.8	69.0	69.1	69.2	69.4	69.4	69.4	69.5	69.5	69.5	69.5
GE 16000	58.1	60.8	65.1	67.3	69.0	69.0	69.2	69.4	69.5	69.6	69.6	69.6	69.7	69.7	69.7	69.7
GE 14000	58.2	60.9	65.3	67.5	69.2	69.2	69.6	69.7	69.8	69.9	69.9	69.9	70.0	70.0	70.0	70.0
GE 12000	59.8	62.5	66.9	69.1	70.9	70.9	71.2	71.3	71.4	71.5	71.5	71.5	71.6	71.6	71.6	71.6
GE 10000	62.7	65.7	70.2	72.7	74.6	74.6	74.9	75.1	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.4
GE 9000	63.1	66.2	70.8	73.3	75.3	75.3	75.6	75.7	75.8	75.9	75.9	75.9	76.0	76.0	76.0	76.0
GE 8000	65.1	68.2	72.8	75.6	77.6	77.6	78.0	78.1	78.2	78.3	78.3	78.3	78.4	78.4	78.4	78.4
GE 7000	65.7	68.8	73.7	76.5	78.7	78.7	79.0	79.1	79.2	79.4	79.4	79.4	79.5	79.5	79.5	79.5
GE 6000	66.2	69.4	74.3	77.2	79.5	79.5	79.8	79.9	80.0	80.1	80.1	80.1	80.2	80.2	80.2	80.2
GE 5000	67.5	71.0	76.2	79.1	81.4	81.4	81.7	81.8	81.9	82.0	82.0	82.0	82.2	82.2	82.2	82.2
GE 4500	67.8	71.3	76.6	79.5	81.7	81.7	82.0	82.2	82.3	82.4	82.4	82.4	82.5	82.5	82.5	82.5
GE 4000	68.7	72.2	77.8	80.8	83.2	83.2	83.5	83.7	83.8	83.9	83.9	83.9	84.0	84.0	84.0	84.0
GE 3500	68.9	72.4	78.1	81.0	83.4	83.4	83.8	83.9	84.0	84.1	84.1	84.1	84.2	84.2	84.2	84.2
GE 3000	69.4	72.9	78.6	81.5	84.3	84.3	84.6	84.7	84.8	84.9	84.9	84.9	85.1	85.1	85.1	85.1
GE 2500	69.9	73.4	79.2	82.2	84.9	84.9	85.3	85.4	85.5	85.6	85.6	85.6	85.7	85.7	85.7	85.7
GE 2000	70.2	73.8	79.8	82.8	85.6	85.6	85.9	86.0	86.1	86.2	86.2	86.2	86.3	86.3	86.3	86.3
GE 1800	70.3	74.0	80.0	83.0	85.8	85.8	86.1	86.2	86.3	86.5	86.5	86.5	86.6	86.6	86.6	86.6
GE 1500	71.3	75.1	81.3	84.3	87.2	87.2	87.5	87.6	87.7	88.0	88.0	88.0	88.1	88.1	88.1	88.1
GE 1200	71.8	75.7	82.0	85.4	88.4	88.4	88.8	88.9	89.0	89.2	89.2	89.2	89.4	89.4	89.4	89.4
GE 1000	72.3	76.2	83.1	86.8	89.8	89.8	90.2	90.3	90.4	90.6	90.6	90.6	90.8	90.8	90.8	90.8
GE 900	72.6	76.6	83.5	87.2	90.5	90.5	91.0	91.1	91.2	91.4	91.4	91.4	91.5	91.5	91.5	91.5
GE 800	72.8	76.9	84.2	88.2	91.7	91.7	92.2	92.3	92.4	92.6	92.6	92.6	92.7	92.7	92.7	92.7
GE 700	73.0	77.2	84.6	88.8	92.5	92.5	92.9	93.0	93.1	93.3	93.3	93.3	93.4	93.4	93.4	93.4
GE 600	73.2	77.4	84.8	89.0	92.7	92.8	93.2	93.4	93.5	93.8	93.8	93.8	93.9	93.9	93.9	93.9
GE 500	73.2	77.4	85.1	89.4	93.2	93.3	94.2	94.4	94.5	94.7	94.7	94.7	94.8	94.8	94.8	94.8
GE 400	73.2	77.4	85.2	89.8	94.1	94.3	95.4	95.6	95.7	95.9	95.9	95.9	96.0	96.0	96.0	96.3
GE 300	73.2	77.4	85.2	89.8	94.6	94.8	96.0	96.2	96.3	96.6	96.6	96.6	96.7	96.7	96.8	97.1
GE 200	73.2	77.4	85.2	90.0	95.1	95.4	96.6	97.1	97.2	97.6	97.7	97.7	98.0	98.0	98.1	98.5
GE 100	73.2	77.4	85.2	90.0	95.1	95.4	96.6	97.1	97.2	97.6	97.7	97.7	98.0	98.0	98.2	98.8
GE 000	73.2	77.4	85.2	90.0	95.1	95.4	96.7	97.2	97.3	97.7	97.8	97.8	98.1	98.1	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	31.6	38.6	45.1	50.2	52.5	52.8	53.7	53.8	53.8	54.2	54.2	54.2	54.3	54.3	54.3	54.4
GE 20000	34.5	42.3	49.8	56.3	59.7	60.0	61.3	61.6	61.6	62.0	62.0	62.0	62.3	62.3	62.5	62.6
GE 18000	34.8	42.6	50.1	56.7	60.0	60.3	61.6	61.9	61.9	62.4	62.4	62.4	62.6	62.6	62.8	62.9
GE 16000	34.8	42.7	50.2	56.9	60.5	60.9	62.2	62.5	62.5	62.9	62.9	62.9	63.1	63.1	63.3	63.4
GE 14000	35.1	43.0	50.6	57.4	61.1	61.6	62.9	63.2	63.2	63.7	63.7	63.7	63.9	63.9	64.1	64.2
GE 12000	36.5	44.5	52.5	59.4	63.0	63.5	64.8	65.2	65.2	65.6	65.6	65.6	65.8	65.8	66.0	66.1
GE 10000	38.3	46.9	55.7	62.9	66.9	67.5	68.8	69.1	69.1	69.6	69.6	69.6	69.8	69.8	70.0	70.1
GE 9000	38.8	47.5	56.3	63.5	67.6	68.3	69.6	69.9	69.9	0.3	70.3	70.3	70.5	70.5	70.8	70.9
GE 8000	40.2	49.4	59.1	67.2	71.4	72.0	73.3	73.7	73.7	74.1	74.1	74.1	74.4	74.4	74.6	74.7
GE 7000	41.2	50.5	60.4	68.6	72.8	73.4	74.7	75.1	75.1	75.5	75.5	75.5	75.8	75.8	76.0	76.1
GE 6000	41.9	51.4	61.4	69.6	73.8	74.4	75.7	76.0	76.0	76.5	76.5	76.5	76.8	76.8	77.0	77.1
GE 5000	43.0	52.9	63.0	71.3	75.5	76.1	77.4	77.7	77.7	78.2	78.2	78.2	78.5	78.5	78.7	78.8
GE 4500	43.0	52.9	63.0	71.3	75.5	76.1	77.4	77.7	77.7	78.2	78.2	78.2	78.5	78.5	78.7	78.8
GE 4000	43.4	53.3	63.5	72.0	76.2	76.9	78.3	78.6	78.6	79.0	79.0	79.0	79.4	79.4	79.6	79.7
GE 3500	43.5	53.4	63.8	72.3	76.5	77.1	78.5	78.8	78.8	79.2	79.2	79.2	79.6	79.6	79.8	79.9
GE 3000	43.9	53.8	64.1	72.6	76.8	77.4	78.8	79.1	79.1	79.6	79.6	79.6	79.9	79.9	80.1	80.2
GE 2500	44.0	53.9	64.7	73.2	77.4	78.1	79.5	79.8	79.8	80.2	80.2	80.2	80.5	80.5	80.8	80.9
GE 2000	45.1	55.1	66.1	74.7	78.9	79.6	81.0	81.3	81.3	81.7	81.7	81.7	82.0	82.0	82.3	82.4
GE 1800	45.1	55.1	66.1	74.7	78.9	79.6	81.0	81.3	81.3	81.7	81.7	81.7	82.0	82.0	82.3	82.4
GE 1500	45.5	55.6	67.0	75.6	79.9	80.6	82.0	82.4	82.4	82.8	82.8	82.8	83.1	83.1	83.3	83.4
GE 1200	45.6	56.0	68.1	76.9	81.5	82.3	83.7	84.0	84.0	84.5	84.5	84.5	84.8	84.8	85.1	85.2
GE 1000	46.1	57.0	69.4	78.9	83.9	84.6	86.0	86.3	86.3	86.9	86.9	86.9	87.2	87.2	87.4	87.5
GE 900	46.3	57.2	69.8	79.9	85.2	86.0	87.4	87.7	87.7	88.3	88.3	88.3	88.6	88.6	88.8	88.9
GE 800	46.3	57.2	69.8	80.5	86.3	87.2	88.6	88.9	88.9	89.5	89.5	89.5	89.8	89.8	90.0	90.1
GE 700	46.5	57.4	70.4	81.5	88.0	88.9	90.4	90.8	90.8	91.3	91.3	91.3	91.6	91.6	91.8	91.9
GE 600	46.5	57.5	70.9	82.0	88.9	90.0	91.7	92.0	92.0	92.6	92.6	92.6	92.9	92.9	93.1	93.2
GE 500	46.6	57.6	71.0	82.6	90.3	91.5	93.5	94.0	94.2	94.7	94.7	94.7	95.2	95.2	95.4	95.5
GE 400	46.6	57.6	71.0	82.8	90.8	92.0	94.4	94.9	95.3	95.9	95.9	95.9	96.5	96.5	96.8	97.1
GE 300	46.6	57.6	71.0	82.9	91.0	92.5	94.9	95.5	95.9	96.6	96.6	96.6	97.2	97.2	97.6	98.0
GE 200	46.6	57.6	71.0	82.9	91.1	92.6	95.1	95.7	96.1	96.8	96.9	96.9	97.6	97.7	98.6	99.0
GE 100	46.6	57.6	71.0	82.9	91.1	92.6	95.1	95.7	96.1	96.8	97.1	97.2	98.1	98.2	99.4	100.0
GE 000	46.6	57.6	71.0	82.9	91.1	92.6	95.1	95.7	96.1	96.8	97.1	97.2	98.1	98.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.4	54.5	56.9	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 20000	56.6	63.1	66.2	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 18000	56.7	63.2	66.5	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 16000	56.7	63.2	66.6	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 14000	57.6	64.3	67.6	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 12000	58.8	65.6	68.9	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 10000	60.8	68.1	71.8	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 9000	61.1	68.4	72.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 8000	63.9	71.4	75.7	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 7000	64.6	72.2	76.6	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 6000	65.1	72.8	77.3	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 5000	66.1	74.0	78.5	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 4500	66.9	74.9	79.5	80.6	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 4000	68.0	76.5	81.3	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 3500	69.1	77.7	82.6	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 3000	71.3	80.1	85.1	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 2500	72.3	81.2	86.3	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 2000	74.0	83.0	88.5	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1800	74.3	83.4	88.9	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 1500	74.9	84.3	90.0	91.8	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1200	75.7	85.6	92.0	94.0	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 1000	76.0	86.1	93.0	95.1	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 900	76.1	86.2	93.2	95.4	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 800	76.1	86.3	93.5	95.7	97.0	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 700	76.1	86.3	93.5	96.0	98.1	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	76.2	86.5	93.7	96.2	98.4	98.5	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	76.2	86.5	93.7	96.3	98.6	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	76.2	86.5	93.7	96.3	98.7	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	76.2	86.5	93.7	96.3	98.9	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	76.2	86.5	93.7	96.3	98.9	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	76.2	86.5	93.7	96.3	98.9	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	76.2	86.5	93.7	96.3	98.9	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.2	53.8	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 20000	64.5	66.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 18000	64.6	66.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 16000	64.7	67.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 14000	65.7	68.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 12000	67.1	69.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 10000	69.2	72.3	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 9000	69.6	72.6	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 8000	71.8	75.1	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 7000	72.9	76.2	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 6000	73.2	77.4	79.5	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 5000	74.5	78.8	81.0	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 4500	75.4	79.8	81.9	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 4000	78.6	83.4	86.0	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 3500	81.7	86.7	89.6	90.4	90.5	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 3000	85.1	90.2	93.2	94.3	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.8	94.8	94.8
GE 2500	85.8	91.0	94.1	95.2	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.7	95.7	95.7
GE 2000	86.5	91.6	94.8	96.0	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.6	96.6	96.6
GE 1800	86.6	91.7	94.9	96.1	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.7	96.7	96.7
GE 1500	86.7	91.8	95.2	96.6	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.1	97.1	97.1
GE 1200	86.9	92.2	95.9	97.3	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.1	98.1	98.1
GE 1000	86.9	92.4	96.3	98.0	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.7	98.7	98.7
GE 900	86.9	92.6	96.6	98.3	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.4	99.4	99.4
GE 800	86.9	92.6	96.6	98.3	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.4	99.4	99.4
GE 700	86.9	92.6	96.6	98.4	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7
GE 600	86.9	92.6	96.6	98.4	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8	99.8	99.8
GE 500	86.9	92.6	96.6	98.4	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9
GE 400	86.9	92.6	96.6	98.4	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 300	86.9	92.6	96.6	98.4	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 200	86.9	92.6	96.6	98.4	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 100	86.9	92.6	96.6	98.4	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
GE 000	86.9	92.6	96.6	98.4	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE-NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.0	54.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 20000	64.4	66.8	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 18000	64.4	66.8	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 16000	64.7	67.1	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 14000	65.5	67.8	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 12000	67.0	69.4	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 10000	71.9	74.8	76.7	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 9000	72.9	75.8	77.6	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 8000	75.5	78.6	80.4	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 7000	77.1	80.6	82.5	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 6000	77.8	81.7	83.5	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 5000	78.7	82.7	84.9	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 4500	79.8	83.9	86.2	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 4000	82.5	86.9	89.9	90.8	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 3500	85.3	89.8	93.1	94.2	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 3000	87.0	91.7	95.2	96.2	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 2500	87.1	91.8	95.3	96.5	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2000	87.4	92.2	95.6	96.8	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0
GE 1800	87.4	92.4	95.8	97.0	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2
GE 1500	87.5	92.5	95.9	97.1	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3
GE 1200	87.5	92.6	96.0	97.4	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7
GE 1000	87.6	93.0	96.6	98.0	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
GE 900	87.6	93.0	96.7	98.3	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
GE 800	87.6	93.0	96.8	98.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7
GE 700	87.6	93.0	96.8	98.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 600	87.6	93.0	96.8	98.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 500	87.6	93.0	96.8	98.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 400	87.6	93.0	96.8	98.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 300	87.6	93.0	96.8	98.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	87.6	93.0	96.8	98.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	87.6	93.0	96.8	98.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	87.6	93.0	96.8	98.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.5	54.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 20000	65.3	66.5	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 18000	65.3	66.5	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 16000	65.3	66.5	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 14000	66.8	68.0	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 12000	68.1	69.4	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 10000	72.9	74.7	77.0	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 9000	73.8	75.6	78.0	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 8000	77.4	79.7	82.2	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 7000	78.1	80.4	83.2	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 6000	78.7	81.2	84.1	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 5000	80.3	83.2	86.1	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 4500	81.2	84.3	87.2	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 4000	82.8	86.0	89.6	90.8	91.2	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 3500	83.9	87.5	91.6	92.9	93.3	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 3000	85.2	88.9	93.3	95.2	95.9	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 2500	85.6	89.4	93.8	95.6	96.6	96.8	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 2000	85.7	89.5	93.9	95.7	96.7	96.9	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1800	85.7	89.5	93.9	95.7	96.7	96.9	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1500	86.0	89.8	94.4	96.2	97.2	97.4	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1200	86.1	89.9	94.6	96.6	97.5	97.7	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	86.6	90.3	95.1	97.0	98.0	98.2	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	86.7	90.4	95.2	97.3	98.3	98.5	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	86.7	90.4	95.2	97.6	98.6	98.8	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	86.7	90.4	95.2	97.7	98.8	99.0	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	86.7	90.4	95.2	97.7	98.8	99.0	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	86.7	90.4	95.2	97.7	98.8	99.0	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	86.7	90.4	95.2	97.7	98.8	99.0	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	86.7	90.4	95.2	97.7	98.8	99.0	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	86.7	90.4	95.2	97.7	98.8	99.0	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	86.7	90.4	95.2	97.7	98.8	99.0	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 000	86.7	90.4	95.2	97.7	98.8	99.0	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: 21-23

CEILING	VISIBILITY IN STATUTE MILES															
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	62.2	63.0	64.2	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 20000	69.2	70.3	71.5	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 18000	69.4	70.4	71.6	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 16000	69.6	70.6	71.8	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 14000	70.6	71.8	73.0	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 12000	71.2	72.4	73.5	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 10000	75.1	76.2	78.0	78.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 9000	76.2	77.4	79.4	79.8	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 8000	79.9	81.2	83.2	84.0	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 7000	81.4	82.7	84.8	85.6	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 6000	81.5	82.8	84.9	85.7	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 5000	82.6	84.0	86.5	87.2	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 4500	83.0	84.4	87.0	87.7	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 4000	84.7	86.1	88.8	89.9	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9
GE 3500	85.9	87.3	90.2	91.3	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3
GE 3000	86.9	88.3	91.2	92.3	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4
GE 2500	87.4	88.8	91.8	92.9	93.9	94.0	94.1	94.1	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3
GE 2000	88.2	89.6	92.6	93.9	94.8	94.9	95.1	95.1	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3
GE 1800	88.3	89.7	92.7	94.0	94.9	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.4	95.4	95.4	95.4
GE 1500	88.5	90.0	93.2	94.6	95.7	95.8	95.9	95.9	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.1
GE 1200	88.9	90.4	93.9	95.6	96.7	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1
GE 1000	89.0	90.5	94.1	96.0	97.3	97.4	97.5	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7
GE 900	89.6	91.1	94.6	96.6	98.0	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4
GE 800	89.9	91.4	94.9	97.1	98.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 700	90.0	91.5	95.1	97.3	99.0	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 600	90.0	91.5	95.1	97.3	99.0	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 500	90.1	91.6	95.2	97.4	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 400	90.1	91.6	95.2	97.4	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 300	90.1	91.6	95.2	97.4	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 200	90.1	91.6	95.2	97.4	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 100	90.1	91.6	95.2	97.4	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 000	90.1	91.6	95.2	97.4	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC

PERIOD OF RECORD: APR 79 - MAR 89

LST TO UTC: + 5

MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.3	54.9	57.0	58.0	58.7	58.7	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 20000	59.9	63.0	65.6	66.9	67.7	67.7	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.2	68.2
GE 18000	60.0	63.1	65.7	67.0	67.8	67.8	68.0	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.3	68.3
GE 16000	60.2	63.3	65.9	67.2	68.0	68.1	68.3	68.3	68.3	68.4	68.4	68.4	68.5	68.5	68.5	68.5
GE 14000	60.9	64.1	66.8	68.1	69.0	69.0	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.5	69.5
GE 12000	62.2	65.3	68.1	69.5	70.3	70.4	70.6	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.9
GE 10000	65.4	69.0	72.3	73.8	74.8	74.9	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.4
GE 9000	66.2	69.8	73.1	74.7	75.7	75.8	76.0	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.3
GE 8000	68.9	72.7	76.3	78.1	79.2	79.3	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8
GE 7000	69.9	73.9	77.5	79.4	80.5	80.6	80.9	80.9	80.9	81.0	81.0	81.0	81.1	81.1	81.1	81.1
GE 6000	70.4	74.6	78.3	80.2	81.4	81.5	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	82.0	82.0
GE 5000	71.7	76.0	80.0	81.9	83.1	83.2	83.4	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.7	83.7
GE 4500	72.3	76.7	80.7	82.6	83.8	83.9	84.1	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.4	84.4
GE 4000	73.9	78.5	82.8	85.0	86.2	86.3	86.6	86.7	86.7	86.8	86.8	86.8	86.9	86.9	86.9	86.9
GE 3500	75.2	79.9	84.4	86.6	87.9	88.1	88.4	88.4	88.4	88.5	88.5	88.5	88.6	88.6	88.6	88.6
GE 3000	76.6	81.4	86.0	88.3	89.8	89.9	90.3	90.3	90.3	90.4	90.4	90.4	90.5	90.5	90.5	90.5
GE 2500	77.1	81.9	86.6	89.0	90.5	90.6	91.0	91.0	91.0	91.1	91.1	91.1	91.2	91.2	91.3	91.3
GE 2000	77.8	82.7	87.5	90.0	91.5	91.6	91.9	92.0	92.0	92.1	92.1	92.1	92.2	92.2	92.3	92.3
GE 1800	77.9	82.8	87.7	90.1	91.6	91.8	92.1	92.2	92.2	92.3	92.3	92.3	92.4	92.4	92.4	92.4
GE 1500	78.4	83.4	88.3	90.9	92.4	92.6	93.0	93.0	93.0	93.1	93.1	93.1	93.2	93.2	93.3	93.3
GE 1200	78.7	83.8	89.1	91.8	93.5	93.7	94.0	94.1	94.1	94.3	94.3	94.3	94.4	94.4	94.4	94.4
GE 1000	79.0	84.3	89.8	92.7	94.6	94.8	95.1	95.2	95.2	95.4	95.4	95.4	95.5	95.5	95.5	95.5
GE 900	79.2	84.5	90.1	93.2	95.2	95.4	95.8	95.8	95.8	96.0	96.0	96.0	96.1	96.1	96.1	96.1
GE 800	79.3	84.7	90.3	93.6	95.8	96.0	96.4	96.5	96.5	96.6	96.6	96.6	96.7	96.7	96.8	96.8
GE 700	79.3	84.7	90.5	94.0	96.4	96.7	97.1	97.2	97.2	97.4	97.4	97.4	97.5	97.5	97.5	97.5
GE 600	79.4	84.8	90.6	94.2	96.7	97.0	97.5	97.6	97.6	97.7	97.7	97.7	97.8	97.8	97.9	97.9
GE 500	79.4	84.9	90.7	94.3	97.1	97.4	98.0	98.1	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.4
GE 400	79.4	84.9	90.7	94.4	97.3	97.7	98.4	98.5	98.6	98.7	98.7	98.7	98.8	98.8	98.9	99.0
GE 300	79.4	84.9	90.7	94.5	97.5	97.9	98.6	98.8	98.8	99.0	99.0	99.0	99.1	99.1	99.2	99.3
GE 200	79.4	84.9	90.7	94.5	97.6	98.0	98.7	98.9	99.0	99.2	99.2	99.2	99.4	99.4	99.5	99.6
GE 100	79.4	84.9	90.7	94.5	97.6	98.0	98.7	98.9	99.0	99.2	99.2	99.2	99.4	99.4	99.7	99.8
GE 000	79.4	84.9	90.7	94.5	97.6	98.0	98.7	98.9	99.0	99.2	99.3	99.3	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.0	62.2	66.9	68.3	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 20000	64.4	68.0	73.6	75.6	76.7	76.7	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 18000	64.4	68.0	73.6	75.6	76.7	76.7	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 16000	64.4	68.0	73.6	75.6	76.7	76.7	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 14000	64.4	68.0	73.6	75.6	76.7	76.7	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 12000	64.9	68.4	74.0	76.2	77.3	77.3	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 10000	69.6	73.2	78.8	81.3	82.4	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 9000	69.8	73.4	79.0	81.6	82.7	82.7	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 8000	72.0	75.8	81.3	83.9	85.0	85.0	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 7000	72.6	76.3	82.0	84.6	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 6000	72.8	77.0	82.7	85.2	86.3	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 5000	73.3	77.8	83.6	86.1	87.3	87.3	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 4500	73.6	78.0	83.8	86.3	87.6	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 4000	75.3	79.8	86.3	89.4	91.0	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 3500	75.7	80.1	86.7	89.9	91.4	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 3000	76.4	80.9	87.7	90.9	92.6	92.6	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 2500	76.8	81.2	88.1	91.3	93.0	93.0	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 2000	77.0	81.4	88.6	91.8	93.6	93.6	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1800	77.0	81.4	88.6	91.9	93.7	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1500	77.4	81.9	89.0	92.4	94.2	94.2	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1200	77.6	82.0	89.1	92.7	94.7	94.7	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 1000	77.7	82.1	89.7	93.3	95.6	95.6	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 900	77.7	82.1	89.7	93.3	95.9	95.9	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 800	77.7	82.1	89.8	93.8	96.6	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 700	77.7	82.2	89.9	93.9	97.1	97.1	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7
GE 600	77.7	82.2	89.9	94.0	97.2	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8
GE 500	77.7	82.3	90.2	94.4	98.4	98.4	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
GE 400	77.7	82.3	90.2	94.6	98.7	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
GE 300	77.7	82.3	90.2	94.7	98.9	98.9	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7
GE 200	77.7	82.3	90.2	94.7	99.0	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 100	77.7	82.3	90.2	94.7	99.0	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 000	77.7	82.3	90.2	94.7	99.0	99.0	99.6	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.0	49.9	55.7	59.7	62.0	62.7	63.1	63.1	63.1	63.1	63.1	63.1	63.2	63.2	63.2	63.2
GE 20000	50.9	55.2	61.9	67.0	69.8	70.7	71.2	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.4	71.4
GE 18000	50.9	55.2	61.9	67.0	69.8	70.7	71.2	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.4	71.4
GE 16000	50.9	55.2	61.9	67.0	69.8	70.7	71.2	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.4	71.4
GE 14000	51.0	55.3	62.0	67.1	69.9	70.8	71.3	71.4	71.4	71.4	71.4	71.4	71.6	71.6	71.6	71.6
GE 12000	51.3	55.8	62.4	67.7	70.6	71.4	72.0	72.1	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2
GE 10000	55.2	59.9	67.0	72.6	75.6	76.4	77.0	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2
GE 9000	55.3	60.0	67.1	72.7	75.7	76.6	77.1	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.3
GE 8000	57.3	62.1	69.3	75.1	78.3	79.2	79.8	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0
GE 7000	57.8	62.6	69.8	75.7	78.9	79.9	80.4	80.6	80.6	80.6	80.6	80.6	80.7	80.7	80.7	80.7
GE 6000	58.0	62.8	70.0	75.9	79.1	80.1	80.7	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9
GE 5000	58.6	63.4	70.7	76.7	80.1	81.1	81.7	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9
GE 4500	58.9	63.8	71.0	77.0	80.4	81.4	82.0	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.2
GE 4000	59.3	64.3	71.9	78.3	82.0	83.0	83.6	83.7	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8
GE 3500	59.6	64.6	72.1	78.6	82.3	83.3	83.9	84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1
GE 3000	60.4	65.4	73.3	79.9	83.8	84.8	85.3	85.4	85.4	85.4	85.4	85.4	85.6	85.6	85.6	85.6
GE 2500	60.6	65.6	73.4	80.1	84.1	85.1	85.7	85.8	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9
GE 2000	60.8	65.9	73.9	80.8	85.0	86.2	86.8	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.0
GE 1800	60.9	66.0	74.0	80.9	85.2	86.4	87.0	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2
GE 1500	61.2	66.3	74.3	81.3	85.7	87.0	87.6	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8
GE 1200	61.6	66.7	74.9	82.2	86.8	88.1	88.8	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0
GE 1000	61.9	67.0	75.6	83.0	87.7	89.2	89.9	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1
GE 900	62.1	67.3	76.1	83.6	88.7	90.3	91.0	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2
GE 800	62.3	67.6	76.6	84.0	89.1	90.8	91.4	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7
GE 700	62.3	67.7	76.7	84.2	89.6	91.3	92.1	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 600	62.3	67.8	76.8	85.0	90.6	92.6	93.3	93.4	93.4	93.4	93.4	93.4	93.6	93.6	93.6	93.6
GE 500	62.3	67.8	76.9	85.4	92.3	94.3	95.1	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6
GE 400	62.3	67.8	76.9	85.6	93.4	95.6	96.6	96.9	96.9	97.0	97.0	97.0	97.1	97.2	97.3	97.3
GE 300	62.3	67.8	77.1	85.8	93.8	95.9	97.1	97.7	97.7	97.8	97.8	97.8	97.9	98.0	98.1	98.1
GE 200	62.3	67.8	77.1	85.9	94.2	96.4	97.8	98.4	98.4	98.6	98.7	98.7	99.1	99.2	99.6	99.6
GE 100	62.3	67.8	77.1	85.9	94.2	96.4	97.9	98.6	98.6	98.7	98.8	98.8	99.2	99.3	99.8	99.8
GE 000	62.3	67.8	77.1	85.9	94.2	96.4	97.9	98.6	98.6	98.8	98.9	98.9	99.3	99.4	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	25.0	33.3	43.2	48.9	53.2	54.6	55.1	55.4	55.4	55.7	55.7	55.7	55.8	55.8	55.9	55.9
GE 20000	27.2	36.3	47.6	54.8	59.8	61.4	62.1	62.8	62.8	63.0	63.1	63.1	63.2	63.2	63.3	63.3
GE 18000	27.2	36.3	47.6	54.8	59.8	61.4	62.1	62.8	62.8	63.0	63.1	63.1	63.2	63.2	63.3	63.3
GE 16000	27.2	36.3	47.6	54.9	59.9	61.6	62.2	62.9	62.9	63.1	63.2	63.2	63.3	63.3	63.4	63.4
GE 14000	27.6	36.7	48.0	55.6	60.8	62.4	63.2	63.9	63.9	64.1	64.2	64.2	64.3	64.3	64.4	64.4
GE 12000	28.2	37.7	49.6	57.6	63.2	64.9	65.7	66.3	66.3	66.6	66.7	66.7	66.8	66.8	66.9	66.9
GE 10000	30.1	40.1	52.4	61.6	67.6	69.2	70.0	70.7	70.7	70.9	71.0	71.0	71.1	71.1	71.2	71.2
GE 9000	30.2	40.4	53.0	62.3	68.3	70.0	70.8	71.4	71.4	71.7	71.8	71.8	71.9	71.9	72.0	72.0
GE 8000	31.6	42.4	55.9	65.4	72.1	73.8	74.6	75.3	75.4	75.7	75.6	75.8	75.9	75.9	76.0	76.0
GE 7000	32.4	43.4	57.2	66.9	73.6	75.2	76.0	76.8	76.9	77.1	77.2	77.2	77.3	77.3	77.4	77.4
GE 6000	32.7	43.9	57.7	67.4	74.1	75.8	76.6	77.3	77.4	77.7	77.8	77.8	77.9	77.9	78.0	78.0
GE 5000	32.8	44.0	57.8	67.7	74.3	76.0	76.8	77.6	77.7	77.9	78.0	78.0	78.1	78.1	78.2	78.2
GE 4500	33.0	44.2	58.0	67.9	74.7	76.3	77.1	77.9	78.0	78.2	78.3	78.3	78.4	78.4	78.6	78.6
GE 4000	33.3	44.7	58.4	68.4	75.4	77.1	77.9	78.7	78.8	79.0	79.1	79.1	79.2	79.2	79.3	79.3
GE 3500	33.7	45.0	58.9	68.9	76.0	77.7	78.4	79.2	79.3	79.6	79.7	79.7	79.8	79.8	79.9	79.9
GE 3000	34.2	45.6	59.4	69.6	76.8	78.4	79.2	80.0	80.1	80.3	80.4	80.4	80.6	80.6	80.7	80.7
GE 2500	34.3	45.8	59.9	70.1	77.4	79.1	79.9	80.7	80.8	81.0	81.1	81.1	81.2	81.2	81.3	81.3
GE 2000	35.3	47.0	61.3	71.7	79.6	81.6	82.3	83.1	83.2	83.4	83.6	83.6	83.7	83.7	83.8	83.8
GE 1800	35.4	47.1	61.4	71.8	79.7	81.7	82.4	83.2	83.3	83.6	83.7	83.7	83.8	83.8	83.9	83.9
GE 1500	36.1	47.9	62.2	72.6	80.7	82.8	83.6	84.3	84.4	84.7	84.8	84.8	84.9	84.9	85.0	85.0
GE 1200	36.4	48.4	63.0	73.6	81.9	84.3	85.1	86.0	86.1	86.3	86.4	86.4	86.6	86.6	86.7	86.7
GE 1000	37.2	49.4	64.1	75.0	83.9	86.6	87.3	88.2	88.3	88.6	88.7	88.7	88.8	88.8	88.9	88.9
GE 900	37.2	49.6	64.2	75.1	84.3	87.1	87.9	88.8	88.9	89.1	89.2	89.2	89.3	89.3	89.4	89.4
GE 800	37.6	49.9	64.6	75.4	84.7	87.9	88.7	89.6	89.7	89.9	90.0	90.0	90.1	90.1	90.2	90.2
GE 700	37.7	50.4	65.4	76.9	86.3	89.6	90.4	91.4	91.6	91.8	91.9	91.9	92.0	92.0	92.1	92.1
GE 600	37.7	50.6	65.7	77.2	87.2	90.6	91.8	92.9	93.2	93.4	93.6	93.6	93.7	93.7	93.8	93.8
GE 500	37.8	50.8	65.9	77.6	87.8	91.3	92.8	94.1	94.4	94.8	94.9	94.9	95.0	95.1	95.2	95.2
GE 400	37.8	50.8	65.9	77.8	88.6	92.2	94.0	95.7	96.1	96.6	96.8	96.8	97.0	97.1	97.2	97.3
GE 300	37.8	50.8	65.9	77.9	88.7	92.4	94.3	96.2	96.7	97.2	97.6	97.6	97.8	97.9	98.1	98.4
GE 200	37.8	50.8	65.9	77.9	88.8	92.6	94.4	96.3	96.8	97.3	97.7	97.7	98.2	98.4	98.7	99.1
GE 100	37.8	50.8	65.9	77.9	88.8	92.6	94.4	96.3	96.8	97.3	97.7	97.7	98.2	98.4	99.1	99.7
GE 000	37.8	50.8	65.9	77.9	88.8	92.6	94.4	96.3	96.8	97.3	97.7	97.7	98.2	98.4	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	35.7	46.4	54.2	58.6	59.2	59.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 20000	40.3	53.0	61.9	66.7	67.6	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 18000	40.3	53.0	61.9	66.7	67.6	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 16000	40.3	53.0	61.9	66.7	67.6	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 14000	40.4	53.1	62.3	67.1	68.0	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 12000	41.4	54.2	64.0	69.3	70.2	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 10000	45.1	59.7	70.1	75.6	76.4	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 9000	45.8	60.3	70.8	76.2	77.1	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 8000	49.4	64.0	74.6	80.1	81.0	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 7000	49.9	64.7	75.2	80.8	81.8	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 6000	50.0	64.8	75.3	80.9	81.9	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 5000	50.9	65.7	76.2	81.8	82.8	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 4500	51.0	65.8	76.3	82.0	83.0	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 4000	51.1	66.0	76.9	82.7	83.7	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 3500	51.8	67.1	78.2	84.0	85.0	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 3000	53.0	69.0	80.9	86.8	87.8	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 2500	53.1	69.3	81.4	87.4	88.4	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 2000	54.6	71.7	83.9	90.0	91.3	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 1800	54.7	71.9	84.2	90.3	91.7	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1500	55.8	73.6	86.3	92.7	94.2	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1200	56.4	74.2	87.7	94.7	96.4	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1000	56.6	74.4	87.9	95.3	97.1	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 900	56.6	74.7	88.3	95.8	97.6	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 800	56.7	74.9	88.7	96.1	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	56.7	74.9	88.7	96.2	98.4	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	56.7	74.9	88.8	96.3	98.8	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	56.7	74.9	88.8	96.3	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	56.7	74.9	88.8	96.3	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	56.7	74.9	88.8	96.3	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	56.7	74.9	88.8	96.3	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	56.7	74.9	88.8	96.3	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	56.7	74.9	88.8	96.3	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.8	50.7	56.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 20000	50.2	60.8	67.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 18000	50.3	60.9	67.4	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 16000	50.3	60.9	67.4	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 14000	50.7	61.6	68.3	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 12000	52.0	63.1	70.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 10000	56.7	68.3	75.4	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 9000	57.1	68.8	75.9	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 8000	60.0	72.0	79.6	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 7000	60.1	72.2	79.8	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 6000	60.4	72.6	80.2	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 5000	60.8	73.2	80.9	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 4500	61.2	73.7	81.3	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 4000	62.7	75.8	83.9	88.7	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 3500	63.2	77.2	85.8	90.7	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 3000	65.8	80.3	89.1	94.3	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2500	66.1	81.0	89.8	95.0	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 2000	67.2	82.7	91.8	97.0	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3
GE 1800	67.3	82.8	91.9	97.1	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4
GE 1500	67.7	83.2	92.3	97.8	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
GE 1200	67.9	83.4	92.6	98.0	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6
GE 1000	67.9	83.4	92.6	98.0	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6
GE 900	67.9	83.4	92.6	98.0	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6
GE 800	68.0	83.6	92.7	98.1	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
GE 700	68.0	83.6	92.7	98.1	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
GE 600	68.0	83.6	92.7	98.1	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
GE 500	68.0	83.6	92.7	98.1	99.1	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 400	68.0	83.6	92.7	98.1	99.1	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 300	68.0	83.6	92.7	98.1	99.1	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 200	68.0	83.6	92.7	98.1	99.1	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	68.0	83.6	92.7	98.1	99.1	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 000	68.0	83.6	92.7	98.1	99.1	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.1	51.1	55.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 20000	53.2	63.3	69.7	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 18000	53.2	63.3	69.7	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 16000	53.2	63.3	69.7	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 14000	53.2	63.3	69.7	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 12000	53.9	64.3	71.0	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 10000	57.3	68.9	76.4	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 9000	57.6	69.1	76.7	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 8000	60.2	72.3	80.2	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 7000	60.6	72.8	80.8	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 6000	60.7	72.9	81.0	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 5000	61.0	73.6	81.9	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 4500	61.4	74.0	82.6	86.3	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 4000	62.8	76.3	86.0	89.9	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 3500	64.4	78.4	88.1	92.4	93.3	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 3000	65.7	80.7	91.0	95.3	96.4	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 2500	66.3	81.3	91.9	96.3	97.4	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2000	66.8	81.8	92.4	96.9	98.0	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1800	66.8	81.8	92.4	96.9	98.0	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1500	66.9	81.9	92.6	97.0	98.1	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	66.9	81.9	92.6	97.0	98.2	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	67.0	82.0	92.7	97.1	98.3	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	67.0	82.0	92.7	97.1	98.3	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	67.0	82.0	92.7	97.1	98.3	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	67.0	82.0	92.7	97.2	98.4	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	67.0	82.0	92.7	97.2	98.6	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	67.1	82.1	92.8	97.3	98.8	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	67.1	82.1	92.8	97.3	98.8	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	67.1	82.1	92.8	97.3	98.8	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	67.1	82.1	92.8	97.3	98.8	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	67.1	82.1	92.8	97.3	98.8	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	67.1	82.1	92.8	97.3	98.8	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.7	50.8	54.0	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 20000	53.6	62.9	68.0	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 18000	53.8	63.1	68.2	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 16000	53.8	63.1	68.2	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 14000	54.0	63.3	68.6	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 12000	54.6	64.2	69.7	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 10000	58.2	68.9	75.9	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 9000	58.3	69.0	76.1	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 8000	61.4	73.2	80.9	84.8	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 7000	62.3	74.1	81.9	85.8	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 6000	62.7	74.4	82.6	86.4	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 5000	62.9	74.7	83.1	87.0	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 4500	63.1	75.0	83.6	87.6	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 4000	64.6	77.2	86.6	90.8	91.2	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 3500	65.9	78.7	88.3	92.8	93.4	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 3000	66.4	80.2	90.0	94.8	95.6	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2500	66.7	80.4	90.3	95.1	96.0	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 2000	67.3	81.1	91.0	95.8	96.7	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1800	67.4	81.2	91.1	95.9	96.8	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500	67.7	81.4	91.4	96.3	97.2	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1200	67.8	81.6	91.8	97.0	97.9	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000	68.0	81.8	92.0	97.2	98.2	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	68.0	81.8	92.0	97.2	98.2	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	68.0	81.8	92.0	97.2	98.2	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	68.0	81.8	92.0	97.3	98.3	99.0	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	68.0	81.8	92.0	97.3	98.4	99.1	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	68.0	81.8	92.0	97.3	98.4	99.1	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	68.0	81.8	92.0	97.3	98.4	99.1	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	68.0	81.8	92.0	97.3	98.4	99.1	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	68.0	81.8	92.0	97.3	98.4	99.1	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	68.0	81.8	92.0	97.3	98.4	99.1	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	68.0	81.8	92.0	97.3	98.4	99.1	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.8	61.9	65.4	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 20000	65.8	69.6	74.4	75.9	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 18000	65.8	69.6	74.4	75.9	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 16000	65.8	69.6	74.4	75.9	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 14000	65.9	69.7	74.6	76.0	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 12000	66.0	69.9	74.8	76.6	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 10000	70.1	74.2	79.4	81.4	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 9000	70.3	74.4	79.7	81.7	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 8000	74.3	78.4	83.7	86.0	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 7000	74.4	78.6	83.8	86.1	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 6000	74.6	79.2	84.4	86.8	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 5000	75.2	80.2	85.9	88.3	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 4500	75.4	80.4	86.1	88.6	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 4000	77.0	82.0	87.9	90.3	91.1	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 3500	77.8	82.8	88.8	91.2	92.0	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 3000	78.8	84.2	90.6	93.0	93.8	94.3	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 2500	79.2	84.8	91.4	93.9	94.7	95.2	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 2000	79.4	85.0	91.9	94.3	95.1	95.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1800	79.7	85.2	92.1	94.6	95.3	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1500	80.1	85.7	92.6	95.0	95.8	96.3	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1200	80.3	85.9	92.9	95.3	96.1	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1000	80.4	86.0	93.0	95.6	96.6	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 900	80.4	86.0	93.0	95.6	96.6	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 800	80.4	86.0	93.2	95.9	97.0	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 700	80.4	86.0	93.3	96.1	97.2	97.9	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	80.7	86.2	93.6	96.3	97.4	98.1	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	80.7	86.4	93.8	97.0	98.2	99.0	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	80.7	86.4	93.8	97.0	98.4	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	80.7	86.4	93.8	97.0	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	80.7	86.4	93.8	97.0	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	80.7	86.4	93.8	97.0	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	80.7	86.4	93.8	97.0	98.4	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE C
NO CEIL	44.5	50.8	56.4	59.5	60.6	60.9	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 20000	50.7	58.6	65.5	69.3	70.7	71.0	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4
GE 18000	50.8	58.7	65.6	69.4	70.7	71.1	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.5
GE 16000	50.8	58.7	65.6	69.4	70.7	71.1	71.3	71.4	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.5
GE 14000	50.9	58.9	65.9	69.7	71.1	71.4	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 12000	51.5	59.7	66.9	71.0	72.5	72.8	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.3
GE 10000	55.3	64.2	71.9	76.4	77.9	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7
GE 9000	55.6	64.4	72.3	76.8	78.3	78.7	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.1	79.1
GE 8000	58.3	67.5	75.7	80.4	82.0	82.4	82.6	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 7000	58.8	68.1	76.3	81.1	82.7	83.1	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 6000	59.0	68.4	76.7	81.5	83.2	83.5	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0	84.0
GE 5000	59.4	69.1	77.5	82.3	84.1	84.4	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9
GE 4500	59.7	69.4	77.8	82.7	84.5	84.8	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3
GE 4000	60.8	70.8	79.7	84.8	86.8	87.2	87.4	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7
GE 3500	61.5	71.7	80.9	86.1	88.1	88.6	88.9	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 3000	62.6	73.3	82.8	88.1	90.2	90.8	91.0	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 2500	62.9	73.7	83.3	88.7	90.8	91.4	91.7	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0
GE 2000	63.6	74.6	84.3	89.8	92.1	92.8	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4
GE 1800	63.7	74.7	84.5	89.9	92.3	92.9	93.2	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5
GE 1500	64.1	75.2	85.1	90.6	93.1	93.8	94.0	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 1200	64.4	75.5	85.6	91.3	93.8	94.6	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3
GE 1000	64.6	75.8	85.9	91.8	94.5	95.4	95.7	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 900	64.6	75.9	86.1	92.0	94.8	95.7	96.0	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 800	64.7	76.0	86.3	92.2	95.1	96.1	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8
GE 700	64.7	76.1	86.4	92.5	95.5	96.5	96.9	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
GE 600	64.8	76.1	86.5	92.7	95.9	96.9	97.4	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 500	64.8	76.2	86.6	92.9	96.5	97.6	98.1	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7
GE 400	64.8	76.2	86.6	93.0	96.8	97.9	98.5	98.9	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2
GE 300	64.8	76.2	86.7	93.1	96.9	98.0	98.7	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.5	99.5
GE 200	64.8	76.2	86.7	93.1	97.0	98.1	98.8	99.3	99.3	99.4	99.5	99.5	99.7	99.7	99.8	99.8
GE 100	64.8	76.2	86.7	93.1	97.0	98.1	98.8	99.3	99.4	99.5	99.5	99.5	99.7	99.7	99.9	99.9
GE 000	64.8	76.2	86.7	93.1	97.0	98.1	98.8	99.3	99.4	99.5	99.6	99.6	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.8	55.6	61.5	64.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 20000	55.2	62.6	70.3	74.3	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 18000	55.2	62.6	70.3	74.3	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 16000	55.2	62.6	70.3	74.3	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 14000	55.2	62.6	70.3	74.3	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 12000	55.5	62.9	70.6	74.7	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 10000	59.7	67.3	75.5	79.8	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 9000	60.0	67.6	75.8	80.1	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 8000	63.1	71.0	79.5	84.0	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 7000	63.7	71.5	80.0	84.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 6000	63.8	71.6	80.2	84.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 5000	64.0	71.8	80.5	85.1	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 4500	64.1	71.9	80.6	85.2	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 4000	65.6	73.4	82.5	87.3	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 3500	66.7	74.5	83.5	88.4	90.5	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 3000	68.0	75.9	85.7	90.6	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 2500	68.1	76.0	86.0	91.0	93.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 2000	68.6	76.8	87.1	92.0	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1800	68.6	76.8	87.1	92.0	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1500	68.9	77.1	87.4	92.4	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1200	69.2	77.4	87.7	92.7	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1000	69.4	77.5	88.1	93.0	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 900	69.7	77.8	88.6	93.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 800	69.7	77.8	88.7	93.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 700	69.7	77.8	88.7	93.9	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 600	69.8	78.0	88.9	94.1	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 500	70.1	78.3	89.5	95.2	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	70.2	78.4	89.8	95.6	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	70.2	78.4	89.8	95.7	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	70.2	78.4	89.8	95.7	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	70.2	78.4	89.8	95.7	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	70.2	78.4	89.8	95.7	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.7	42.4	51.3	55.8	60.4	61.6	62.2	62.2	62.2	62.4	62.6	62.6	62.6	62.6	62.6	62.6
GE 20000	42.8	48.1	59.2	65.3	71.1	72.5	73.1	73.1	73.1	73.3	73.5	73.5	73.5	73.5	73.5	73.7
GE 18000	42.8	48.1	59.2	65.3	71.1	72.5	73.1	73.1	73.1	73.3	73.5	73.5	73.5	73.5	73.5	73.7
GE 16000	42.9	48.2	59.4	65.4	71.2	72.6	73.2	73.2	73.2	73.4	73.7	73.7	73.7	73.7	73.7	73.8
GE 14000	42.9	48.2	59.4	65.4	71.2	72.6	73.2	73.2	73.2	73.4	73.7	73.7	73.7	73.7	73.7	73.8
GE 12000	43.2	48.6	59.8	65.9	71.7	73.1	73.8	73.8	73.8	74.0	74.2	74.2	74.2	74.2	74.2	74.3
GE 10000	45.6	51.4	63.0	69.2	75.3	76.7	77.3	77.3	77.3	77.5	77.7	77.7	77.7	77.7	77.7	77.8
GE 9000	45.8	51.6	63.5	69.9	76.0	77.4	78.1	78.1	78.1	78.3	78.5	78.5	78.5	78.5	78.5	78.6
GE 8000	48.8	54.7	67.0	73.7	80.0	81.4	82.0	82.0	82.0	82.3	82.5	82.5	82.5	82.5	82.5	82.6
GE 7000	49.4	55.3	67.5	74.3	80.8	82.2	82.8	82.8	82.8	83.0	83.2	83.2	83.2	83.2	83.2	83.3
GE 6000	49.4	55.3	67.5	74.3	80.8	82.2	82.8	82.8	82.8	83.0	83.2	83.2	83.2	83.2	83.2	83.3
GE 5000	49.7	55.6	68.0	74.8	81.4	82.8	83.4	83.4	83.4	83.7	83.9	83.9	83.9	83.9	83.9	84.0
GE 4500	49.7	55.6	68.0	74.8	81.4	82.8	83.4	83.4	83.4	83.7	83.9	83.9	83.9	83.9	83.9	84.0
GE 4000	50.2	56.1	68.5	75.5	82.3	83.7	84.3	84.3	84.3	84.5	84.7	84.7	84.7	84.7	84.7	84.8
GE 3500	50.8	56.7	69.1	76.1	83.0	84.4	85.1	85.1	85.1	85.3	85.5	85.5	85.5	85.5	85.5	85.6
GE 3000	52.3	58.2	70.9	77.8	84.7	86.1	86.8	86.8	86.8	87.0	87.2	87.2	87.2	87.2	87.2	87.3
GE 2500	52.7	58.6	71.4	78.4	85.4	86.8	87.4	87.4	87.4	87.6	87.8	87.8	87.8	87.8	87.8	88.0
GE 2000	53.1	59.1	72.0	79.1	86.1	87.5	88.2	88.2	88.2	88.4	88.6	88.6	88.6	88.6	88.6	88.7
GE 1800	53.2	59.2	72.2	79.4	86.3	87.7	88.4	88.4	88.4	88.6	88.8	88.8	88.8	88.8	88.8	88.9
GE 1500	53.3	59.4	72.3	79.7	86.8	88.2	88.8	88.8	88.8	89.0	89.2	89.2	89.2	89.2	89.2	89.4
GE 1200	54.3	60.3	73.4	80.9	88.3	89.7	90.3	90.3	90.3	90.5	90.8	90.8	90.8	90.8	90.8	90.9
GE 1000	54.8	60.9	74.1	81.5	89.1	90.5	91.2	91.2	91.2	91.4	91.6	91.6	91.6	91.6	91.6	91.7
GE 900	54.8	60.9	74.2	81.6	89.2	90.6	91.3	91.3	91.3	91.5	91.7	91.7	91.7	91.7	91.7	91.8
GE 800	54.9	61.0	74.3	81.8	89.5	90.9	91.5	91.5	91.5	91.7	91.9	91.9	91.9	91.9	91.9	92.0
GE 700	55.2	61.2	74.6	82.6	90.4	91.9	92.6	92.6	92.6	92.8	93.0	93.0	93.0	93.0	93.0	93.1
GE 600	55.4	61.4	74.8	82.9	91.2	92.8	93.5	93.5	93.5	93.8	94.0	94.0	94.0	94.0	94.0	94.1
GE 500	55.5	61.5	74.9	83.5	92.0	93.7	94.5	94.5	94.5	94.7	94.9	94.9	94.9	94.9	94.9	95.1
GE 400	55.6	61.7	75.3	84.1	93.4	95.3	96.3	96.3	96.3	96.6	96.8	96.8	96.8	96.8	96.8	96.9
GE 300	56.0	62.2	75.7	84.6	94.1	96.0	97.3	97.3	97.3	97.5	97.7	97.7	97.7	97.7	97.8	98.0
GE 200	56.0	62.2	75.7	84.6	94.1	96.1	97.5	97.5	97.6	98.1	98.4	98.4	98.5	98.5	98.9	99.1
GE 100	56.0	62.2	75.7	84.6	94.1	96.1	97.7	97.7	97.8	98.3	98.7	98.7	98.8	98.8	99.4	99.6
GE 000	56.0	62.2	75.7	84.6	94.1	96.1	97.7	97.7	97.8	98.3	98.7	98.7	98.8	98.8	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB-SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 06-08

CEILING IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	17.0	22.4	32.4	40.3	48.9	53.1	54.6	55.5	55.7	55.9	56.0	56.0	56.0	56.1	56.2	56.5
GE 20000	20.0	26.5	37.5	46.7	56.3	61.1	63.0	63.9	64.1	64.5	64.7	64.7	64.8	65.1	65.2	65.4
GE 18000	20.0	26.5	37.5	46.7	56.3	61.1	63.0	63.9	64.1	64.5	64.7	64.7	64.8	65.1	65.2	65.4
GE 16000	20.1	26.6	37.6	46.8	56.5	61.2	63.1	64.0	64.2	64.6	64.8	64.8	64.9	65.2	65.3	65.5
GE 14000	20.2	26.7	37.7	47.1	56.8	61.5	63.5	64.4	64.6	65.1	65.3	65.3	65.4	65.6	65.7	65.9
GE 12000	20.9	28.1	39.4	48.8	58.7	63.7	65.7	66.6	66.8	67.2	67.4	67.4	67.5	67.7	67.8	68.1
GE 10000	23.3	31.5	43.3	53.2	63.9	69.0	71.2	72.2	72.4	72.8	73.0	73.0	73.1	73.3	73.4	73.7
GE 9000	23.5	31.7	43.5	53.4	64.1	69.4	71.5	72.6	72.8	73.4	73.7	73.7	73.8	74.0	74.1	74.3
GE 8000	26.9	35.4	47.4	57.6	68.3	74.0	76.2	77.5	77.7	78.4	78.6	78.6	78.7	78.9	79.0	79.2
GE 7000	27.2	35.8	48.1	58.3	68.9	74.6	77.0	78.3	78.5	79.1	79.4	79.4	79.5	79.7	79.8	80.0
GE 6000	27.6	36.2	48.5	58.7	69.4	75.1	77.4	78.7	78.9	79.6	79.8	79.8	79.9	80.1	80.2	80.4
GE 5000	28.2	36.8	49.0	59.2	69.9	75.7	78.1	79.4	79.6	80.2	80.4	80.4	80.5	80.8	80.9	81.1
GE 4500	28.3	36.9	49.1	59.4	70.0	75.8	78.2	79.5	79.7	80.3	80.5	80.5	80.6	80.9	81.0	81.2
GE 4000	28.4	37.2	49.5	59.7	70.4	76.2	78.6	79.9	80.1	80.8	81.0	81.0	81.1	81.3	81.4	81.6
GE 3500	28.4	37.2	49.6	59.8	70.5	76.3	78.7	80.0	80.2	80.9	81.1	81.1	81.2	81.4	81.5	81.7
GE 3000	28.9	37.7	50.3	60.5	71.4	77.2	79.7	81.0	81.2	81.8	82.0	82.0	82.2	82.4	82.5	82.7
GE 2500	29.0	37.8	50.6	60.9	71.8	77.6	80.1	81.4	81.6	82.3	82.5	82.5	82.6	82.8	82.9	83.1
GE 2000	29.7	38.5	51.3	61.6	72.6	78.4	81.0	82.3	82.5	83.1	83.3	83.3	83.4	83.7	83.8	84.0
GE 1800	29.7	38.6	51.4	61.7	72.7	78.5	81.1	82.4	82.6	83.2	83.4	83.4	83.5	83.8	83.9	84.1
GE 1500	29.8	38.8	51.7	62.2	73.5	79.5	82.0	83.4	83.7	84.3	84.5	84.5	84.6	84.8	84.9	85.2
GE 1200	30.2	39.5	52.6	63.1	74.5	80.5	83.2	84.7	84.9	85.6	85.8	85.8	85.9	86.1	86.2	86.5
GE 1000	31.0	40.2	53.8	64.6	76.6	82.6	85.3	86.8	87.0	87.6	87.8	87.8	88.0	88.2	88.3	88.5
GE 900	31.1	40.4	54.1	64.9	77.0	83.1	85.9	87.4	87.6	88.3	88.5	88.5	88.6	88.8	88.9	89.1
GE 800	31.2	40.5	54.3	65.3	77.6	83.9	86.7	88.2	88.4	89.0	89.2	89.2	89.4	89.6	89.7	89.9
GE 700	31.4	40.9	54.7	65.9	78.6	84.9	87.7	89.2	89.5	90.1	90.3	90.3	90.4	90.6	90.8	91.0
GE 600	31.5	41.2	55.1	66.7	79.9	86.6	89.4	90.9	91.1	91.7	91.9	91.9	92.0	92.3	92.4	92.6
GE 500	31.5	41.2	55.1	66.8	80.8	87.5	91.0	92.8	93.1	93.8	94.0	94.0	94.1	94.3	94.4	94.6
GE 400	31.5	41.2	55.5	67.6	82.2	89.0	93.0	94.9	95.3	95.9	96.2	96.2	96.5	96.7	96.9	97.1
GE 300	31.5	41.2	55.5	67.8	82.5	89.5	93.7	95.8	96.1	96.9	97.3	97.3	97.6	97.8	98.3	98.5
GE 200	31.5	41.2	55.5	67.8	82.5	89.5	93.7	95.8	96.1	96.9	97.3	97.3	97.7	98.0	98.6	99.0
GE 100	31.5	41.2	55.5	67.8	82.5	89.5	93.7	95.8	96.1	96.9	97.3	97.3	97.8	98.1	98.8	99.8
GE 000	31.5	41.2	55.5	67.8	82.5	89.5	93.7	95.8	96.1	96.9	97.3	97.3	97.8	98.1	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	27.3	38.1	50.1	56.1	60.6	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 20000	32.4	43.9	57.0	64.3	69.2	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 18000	32.4	43.9	57.0	64.3	69.2	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 16000	32.4	43.9	57.0	64.3	69.2	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 14000	32.5	44.0	57.2	64.5	69.5	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 12000	33.8	45.9	59.9	67.4	72.4	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 10000	36.7	48.9	63.4	71.1	76.1	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 9000	36.9	49.1	63.9	71.6	76.7	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 8000	40.3	53.3	68.7	76.7	82.2	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 7000	40.5	53.5	68.9	76.9	82.5	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 6000	41.1	54.1	69.5	77.4	83.0	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 5000	41.3	54.3	69.7	77.6	83.2	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 4500	41.4	54.4	69.8	77.7	83.3	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 4000	42.3	55.4	70.8	78.7	84.5	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 3500	42.4	55.5	71.0	79.0	84.8	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 3000	43.4	56.8	72.4	80.5	86.3	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 2500	44.0	57.4	73.1	81.3	87.3	87.8	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 2000	45.5	59.1	75.1	83.3	89.6	90.1	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 1800	45.9	59.6	75.5	83.8	90.0	90.5	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1500	46.9	60.8	76.8	85.4	91.7	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1200	48.2	62.3	78.5	87.5	93.9	94.5	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1000	48.7	63.2	79.9	89.0	95.4	96.0	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 900	49.0	63.5	80.3	89.6	96.3	97.0	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 800	49.1	63.9	80.6	90.2	97.0	97.6	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	49.2	64.0	80.8	90.4	97.4	98.1	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	49.4	64.1	80.9	90.8	97.7	98.4	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	49.5	64.2	81.0	90.9	98.0	98.6	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	49.5	64.2	81.0	91.0	98.1	98.7	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	49.5	64.2	81.0	91.0	98.1	98.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	49.5	64.2	81.0	91.0	98.1	98.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	49.5	64.2	81.0	91.0	98.1	98.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	49.5	64.2	81.0	91.0	98.1	98.7	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	28.1	37.2	47.7	52.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 20000	37.3	47.5	59.5	64.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 18000	37.3	47.5	59.5	64.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 16000	37.4	47.6	59.6	64.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 14000	37.6	47.8	59.8	65.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 12000	38.5	48.7	60.9	66.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 10000	42.2	52.8	65.3	70.6	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 9000	43.0	53.8	66.3	71.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 8000	46.3	57.8	71.1	76.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 7000	47.0	58.5	71.7	77.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 6000	47.3	58.8	72.0	77.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 5000	48.7	60.3	73.7	79.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 4500	48.8	60.5	74.0	79.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 4000	50.2	62.5	76.5	82.4	84.9	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 3500	52.4	65.3	80.0	86.2	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 3000	54.8	68.4	83.7	90.6	93.5	93.5	93.5	93.7	93.7	93.7	93.8	93.9	93.9	93.9	93.9	93.9
GE 2500	55.1	69.1	84.5	91.8	94.7	94.7	94.8	94.8	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1
GE 2000	55.9	70.0	85.8	93.3	96.2	96.2	96.3	96.3	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6
GE 1800	56.0	70.1	85.9	93.5	96.5	96.5	96.6	96.6	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8
GE 1500	56.6	70.6	86.6	94.2	97.5	97.5	97.6	97.6	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8
GE 1200	57.0	71.2	87.4	95.1	98.4	98.4	98.5	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000	57.3	71.5	87.7	95.5	98.8	98.8	98.9	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	57.3	71.6	88.0	95.9	99.2	99.2	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	57.3	71.6	88.0	96.0	99.5	99.5	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	57.3	71.6	88.0	96.2	99.7	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	57.3	71.6	88.0	96.2	99.7	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	57.3	71.6	88.0	96.2	99.7	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	57.3	71.6	88.0	96.2	99.7	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	57.3	71.6	88.0	96.2	99.7	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	57.3	71.6	88.0	96.2	99.7	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	57.3	71.6	88.0	96.2	99.7	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	57.3	71.6	88.0	96.2	99.7	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	E 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	27.1	35.4	43.2	47.6	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 20000	39.2	49.9	59.2	64.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 18000	39.4	50.0	59.4	64.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 16000	39.4	50.0	59.4	64.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 14000	39.8	50.4	59.8	65.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 12000	41.2	52.2	61.6	67.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 10000	45.6	57.6	67.7	73.9	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 9000	45.8	58.3	68.7	74.8	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 8000	49.5	62.8	73.4	79.6	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 7000	50.0	63.4	74.1	80.2	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 6000	50.2	63.8	74.5	80.8	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 5000	50.5	64.1	74.8	81.1	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 4500	50.8	64.4	75.3	81.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 4000	52.6	67.3	79.4	86.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.0
GE 3500	53.9	69.8	82.2	89.5	92.0	92.0	92.0	92.0	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 3000	55.4	71.9	84.8	92.8	95.7	95.8	95.8	95.8	95.8	95.9	95.9	95.9	96.0	96.0	96.0	96.0
GE 2500	55.8	72.6	85.6	93.5	96.7	96.8	96.8	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.1	97.1
GE 2000	56.2	73.2	86.2	94.4	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.8	98.0	98.0	98.1	98.1
GE 1800	56.2	73.2	86.2	94.4	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.8	98.0	98.0	98.1	98.1
GE 1500	56.3	73.3	86.3	94.5	97.7	97.8	97.8	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.3	98.3
GE 1200	56.3	73.3	86.3	94.7	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.6	98.6
GE 1000	56.7	73.7	86.7	95.1	98.6	98.7	98.9	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.4	99.4
GE 900	56.7	73.7	86.8	95.2	98.7	98.8	99.0	99.1	99.1	99.2	99.2	99.2	99.4	99.4	99.5	99.5
GE 800	57.0	74.0	87.1	95.5	99.1	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 700	57.0	74.0	87.1	95.5	99.1	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 600	57.0	74.0	87.1	95.5	99.1	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 500	57.0	74.0	87.1	95.5	99.1	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 400	57.0	74.0	87.1	95.5	99.1	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 300	57.0	74.0	87.1	95.5	99.1	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 200	57.0	74.0	87.1	95.5	99.1	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 100	57.0	74.0	87.1	95.5	99.1	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 000	57.0	74.0	87.1	95.5	99.1	99.2	99.6	99.7	99.7	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	25.7	33.0	40.0	43.0	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 20000	40.2	50.6	60.2	65.4	66.9	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 18000	40.4	50.9	60.4	65.6	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 16000	40.4	50.9	60.4	65.6	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 14000	40.8	51.2	60.8	65.9	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 12000	41.5	52.0	61.8	67.4	69.2	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 10000	47.5	58.7	69.1	75.1	77.3	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 9000	47.8	59.1	69.7	75.6	77.8	77.8	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 8000	52.5	65.1	75.7	81.8	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 7000	53.0	65.7	76.3	82.6	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 6000	53.4	66.6	77.3	83.5	86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 5000	54.2	67.4	78.4	84.8	87.7	87.7	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 4500	54.3	67.7	78.8	85.4	88.4	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 4000	56.2	69.9	81.5	88.1	91.4	91.4	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 3500	57.1	71.1	83.2	90.0	93.5	93.5	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 3000	58.1	72.2	84.7	92.0	96.1	96.2	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 2500	58.3	72.5	85.2	92.5	96.6	96.7	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 2000	58.5	73.0	86.0	93.3	97.6	97.7	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1800	58.5	73.0	86.0	93.3	97.6	97.7	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1500	58.6	73.1	86.2	93.8	98.2	98.3	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	58.7	73.2	86.5	94.0	98.4	98.5	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	58.8	73.4	86.7	94.2	98.6	98.7	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	58.8	73.4	86.7	94.2	98.6	98.7	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	58.8	73.4	86.8	94.3	98.7	98.8	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	58.8	73.4	86.8	94.3	98.8	98.9	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	58.8	73.4	86.8	94.3	98.8	98.9	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	58.8	73.4	86.8	94.3	98.8	98.9	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	58.8	73.4	86.8	94.3	98.8	98.9	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	58.8	73.4	86.8	94.3	98.8	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	58.8	73.4	86.8	94.3	98.8	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	58.8	73.4	86.8	94.3	98.8	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	58.8	73.4	86.8	94.3	98.8	98.9	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	G 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.3	51.6	57.6	60.2	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 20000	51.0	60.3	68.3	71.4	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 18000	51.3	60.6	68.6	71.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 16000	51.3	60.6	68.6	71.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 14000	51.7	61.1	69.0	72.2	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 12000	52.4	61.8	70.1	73.4	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 10000	57.4	67.2	75.7	79.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 9000	57.7	67.5	76.0	79.5	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 8000	61.2	71.1	80.0	83.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 7000	61.5	71.4	80.3	83.8	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 6000	62.2	72.3	81.2	84.6	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 5000	62.8	72.9	81.9	85.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 4500	62.8	72.9	82.0	85.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 4000	64.6	75.1	84.6	88.2	89.5	89.5	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 3500	66.6	77.3	87.1	90.6	91.9	92.0	92.2	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 3000	67.6	78.5	89.5	93.3	95.3	95.4	95.5	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 2500	68.0	78.8	89.9	93.9	95.9	96.0	96.1	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 2000	68.2	79.2	90.4	94.4	96.6	96.7	96.8	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1800	68.2	79.2	90.4	94.6	96.8	96.9	97.0	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1500	68.4	79.5	90.6	94.9	97.2	97.3	97.6	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200	68.6	79.7	90.9	95.2	97.4	97.5	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	68.6	79.7	90.9	95.2	97.4	97.5	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 900	68.6	79.7	90.9	95.2	97.5	97.6	98.1	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 800	68.9	80.0	91.2	95.5	98.0	98.2	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	69.0	80.1	91.4	95.8	98.5	98.7	99.1	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	69.2	80.3	91.6	96.0	98.7	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	69.2	80.3	91.6	96.0	98.7	98.9	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	69.4	80.4	91.7	96.1	98.9	99.1	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	69.4	80.4	91.7	96.1	98.9	99.1	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	69.4	80.4	91.7	96.1	98.9	99.1	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	69.4	80.4	91.7	96.1	98.9	99.1	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	69.4	80.4	91.7	96.1	98.9	99.1	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	31.9	39.4	48.0	52.6	55.5	56.2	56.5	56.6	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8
GE 20000	39.8	48.7	58.9	64.6	68.1	69.0	69.3	69.5	69.5	69.6	69.6	69.6	69.6	69.7	69.7	69.7
GE 18000	39.8	48.8	59.0	64.7	68.2	69.0	69.4	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.8	69.8
GE 16000	39.9	48.8	59.0	64.7	68.2	69.1	69.5	69.6	69.6	69.7	69.7	69.7	69.7	69.8	69.8	69.8
GE 14000	40.1	49.0	59.2	64.9	68.5	69.3	69.7	69.9	69.9	70.0	70.0	70.0	70.0	70.1	70.1	70.1
GE 12000	40.9	50.0	60.5	66.4	70.1	70.9	71.3	71.5	71.5	71.6	71.6	71.6	71.6	71.7	71.7	71.7
GE 10000	44.7	54.4	65.4	71.5	75.4	76.3	76.7	76.8	76.8	76.9	77.0	77.0	77.0	77.0	77.0	77.1
GE 9000	45.1	54.9	65.9	72.1	76.0	76.9	77.3	77.5	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.8
GE 8000	48.6	58.9	70.3	76.7	80.7	81.7	82.1	82.3	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.6
GE 7000	49.0	59.4	70.9	77.2	81.3	82.2	82.7	82.9	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.2
GE 6000	49.4	59.8	71.3	77.7	81.8	82.8	83.2	83.4	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.7
GE 5000	49.9	60.4	72.0	78.4	82.5	83.5	84.0	84.2	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4
GE 4500	50.0	60.6	72.2	78.7	82.8	83.8	84.2	84.4	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.7
GE 4000	51.3	62.1	74.1	80.8	85.2	86.2	86.7	86.9	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.2
GE 3500	52.3	63.4	75.7	82.5	86.9	87.9	88.4	88.6	88.6	88.8	88.8	88.8	88.9	88.9	88.9	89.0
GE 3000	53.6	64.9	77.7	84.8	89.5	90.6	91.1	91.3	91.3	91.5	91.5	91.5	91.6	91.6	91.6	91.7
GE 2500	53.9	65.4	78.3	85.4	90.2	91.3	91.8	92.0	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.4
GE 2000	54.5	66.1	79.2	86.5	91.3	92.4	92.9	93.1	93.2	93.3	93.4	93.4	93.4	93.5	93.5	93.5
GE 1800	54.5	66.2	79.3	86.6	91.5	92.5	93.1	93.3	93.3	93.5	93.6	93.6	93.6	93.6	93.7	93.7
GE 1500	54.9	66.6	79.7	87.1	92.2	93.3	93.8	94.1	94.1	94.3	94.3	94.3	94.4	94.4	94.4	94.5
GE 1200	55.3	67.1	80.4	87.9	93.1	94.1	94.7	95.0	95.0	95.2	95.2	95.2	95.3	95.3	95.3	95.4
GE 1000	55.7	67.5	81.0	88.5	93.8	94.9	95.5	95.8	95.8	96.0	96.0	96.0	96.0	96.1	96.1	96.1
GE 900	55.8	67.6	81.2	88.8	94.2	95.2	95.9	96.2	96.2	96.3	96.4	96.4	96.4	96.5	96.5	96.5
GE 800	55.9	67.8	81.4	89.0	94.5	95.6	96.3	96.6	96.6	96.8	96.8	96.8	96.9	96.9	96.9	96.9
GE 700	56.0	67.9	81.5	89.3	95.0	96.1	96.8	97.1	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4
GE 600	56.0	68.0	81.6	89.6	95.3	96.5	97.2	97.5	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.9
GE 500	56.1	68.1	81.7	89.8	95.7	96.9	97.8	98.1	98.1	98.3	98.4	98.4	98.4	98.4	98.5	98.5
GE 400	56.2	68.1	81.9	90.1	96.2	97.4	98.4	98.7	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.2
GE 300	56.2	68.2	81.9	90.2	96.3	97.6	98.6	99.0	99.0	99.2	99.3	99.3	99.4	99.4	99.5	99.5
GE 200	56.2	68.2	81.9	90.2	96.3	97.6	98.7	99.0	99.1	99.3	99.4	99.4	99.5	99.5	99.7	99.8
GE 100	56.2	68.2	81.9	90.2	96.3	97.6	98.7	99.1	99.1	99.4	99.5	99.5	99.6	99.6	99.8	99.9
GE 000	56.2	68.2	81.9	90.2	96.3	97.6	98.7	99.1	99.1	99.4	99.5	99.5	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.6	50.3	57.1	61.2	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 20000	50.0	57.2	64.8	69.4	73.3	73.5	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8
GE 18000	50.0	57.2	64.8	69.4	73.3	73.5	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8
GE 16000	50.0	57.2	64.8	69.4	73.3	73.5	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8
GE 14000	50.2	57.4	65.1	69.7	73.7	73.9	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1
GE 12000	51.1	58.3	65.9	70.5	74.5	74.7	74.8	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9
GE 10000	55.3	63.0	71.2	76.3	80.5	80.8	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0
GE 9000	55.5	63.2	71.4	76.6	80.8	81.0	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2
GE 8000	57.0	65.4	74.3	80.1	84.4	84.6	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8
GE 7000	57.0	65.6	74.5	80.3	84.6	84.8	84.9	84.9	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1
GE 6000	57.2	65.8	74.7	80.5	84.8	85.1	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3
GE 5000	58.0	66.6	75.5	81.4	85.7	85.9	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1
GE 4500	58.0	66.6	75.5	81.5	85.8	86.0	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2
GE 4000	60.0	69.0	78.2	84.4	88.9	89.1	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4
GE 3500	60.6	69.7	79.0	85.3	89.8	90.0	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2
GE 3000	61.4	70.5	80.2	86.6	91.2	91.4	91.6	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8
GE 2500	61.6	70.8	80.4	86.8	91.4	91.6	91.9	92.0	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2
GE 2000	62.2	71.4	81.1	87.5	92.4	92.6	93.1	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3
GE 1800	62.2	71.4	81.2	87.6	92.5	92.7	93.2	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4
GE 1500	62.9	72.2	82.0	88.6	93.8	94.0	94.5	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7
GE 1200	63.1	72.4	82.4	89.1	94.3	94.5	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3
GE 1000	63.2	72.5	82.8	89.6	94.7	94.9	95.5	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7
GE 900	63.3	72.6	82.9	89.7	94.8	95.1	95.6	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8
GE 800	63.4	72.7	83.0	89.9	95.1	95.3	95.8	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0
GE 700	63.8	73.0	83.4	90.4	95.7	95.9	96.5	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7
GE 600	63.8	73.0	83.4	90.5	95.8	96.0	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8
GE 500	63.8	73.2	83.8	91.3	97.1	97.3	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
GE 400	63.8	73.2	83.8	91.6	97.4	97.6	98.6	98.7	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9
GE 300	63.8	73.3	83.9	91.8	98.3	98.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	63.8	73.3	83.9	91.8	98.3	98.5	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	63.8	73.3	83.9	91.8	98.3	98.5	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	63.8	73.3	83.9	91.8	98.3	98.5	99.6	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR-79 - MAR-89  
MONTH: AUG HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.9	41.2	47.4	54.5	61.6	62.3	63.1	63.4	63.4	63.4	63.5	63.5	63.7	63.7	63.9	64.0
GE 20000	39.4	44.4	52.2	61.1	68.6	69.5	70.3	70.6	70.6	70.6	70.8	70.8	70.9	70.9	71.1	71.2
GE 18000	39.4	44.4	52.2	61.1	68.6	69.5	70.3	70.6	70.6	70.6	70.8	70.8	70.9	70.9	71.1	71.2
GE 16000	39.4	44.4	52.2	61.2	68.7	69.6	70.4	70.8	70.8	70.8	70.9	70.9	71.0	71.0	71.2	71.3
GE 14000	39.4	44.4	52.2	61.2	68.7	69.6	70.4	70.8	70.8	70.8	70.9	70.9	71.0	71.0	71.2	71.3
GE 12000	39.9	44.9	52.8	61.8	69.5	70.3	71.2	71.5	71.5	71.5	71.6	71.6	71.7	71.7	71.9	72.0
GE 10000	42.3	48.3	56.9	66.1	74.0	74.8	75.7	76.0	76.0	76.0	76.1	76.1	76.2	76.2	76.5	76.6
GE 9000	42.4	48.4	57.1	66.3	74.2	75.1	75.9	76.2	76.2	76.2	76.3	76.3	76.5	76.5	76.7	76.8
GE 8000	43.3	49.5	58.9	68.5	77.0	78.0	78.8	79.1	79.1	79.1	79.2	79.2	79.4	79.4	79.6	79.7
GE 7000	43.5	50.0	59.5	69.0	77.6	78.6	79.5	79.8	79.8	79.8	79.9	79.9	80.0	80.0	80.2	80.3
GE 6000	43.7	50.1	59.6	69.1	77.7	78.7	79.6	79.9	79.9	79.9	80.0	80.0	80.1	80.1	80.3	80.4
GE 5000	44.3	50.8	60.3	69.9	78.6	79.6	80.4	80.8	80.8	80.8	80.9	80.9	81.0	81.0	81.2	81.3
GE 4500	44.7	51.2	60.8	70.3	79.0	80.0	80.9	81.2	81.2	81.2	81.3	81.3	81.4	81.4	81.6	81.7
GE 4000	45.2	51.9	61.6	71.4	80.6	81.6	82.6	82.9	82.9	82.9	83.0	83.0	83.1	83.1	83.3	83.4
GE 3500	45.5	52.3	62.2	71.9	81.7	82.7	83.7	84.0	84.0	84.0	84.1	84.1	84.2	84.2	84.4	84.5
GE 3000	46.3	53.2	63.3	73.4	83.3	84.3	85.3	85.6	85.6	85.6	85.7	85.7	85.8	85.8	86.0	86.1
GE 2500	46.6	53.4	63.8	74.1	84.1	85.1	86.0	86.3	86.3	86.3	86.5	86.5	86.6	86.6	86.8	86.9
GE 2000	47.1	54.0	64.3	74.7	85.1	86.0	87.0	87.3	87.3	87.3	87.4	87.4	87.5	87.5	87.7	87.8
GE 1800	47.2	54.1	64.4	74.8	85.2	86.1	87.1	87.4	87.4	87.4	87.5	87.5	87.6	87.6	87.8	88.0
GE 1500	47.7	54.6	65.3	75.8	86.2	87.2	88.2	88.5	88.5	88.5	88.6	88.6	88.7	88.7	88.9	89.0
GE 1200	48.1	54.9	65.9	76.6	87.1	88.1	89.0	89.4	89.4	89.4	89.5	89.5	89.6	89.6	89.8	89.9
GE 1000	48.1	54.9	65.9	76.7	87.3	88.3	89.2	89.6	89.6	89.7	89.8	89.8	89.9	89.9	90.1	90.2
GE 900	48.1	54.9	66.0	77.0	87.8	88.8	89.9	90.2	90.2	90.3	90.4	90.4	90.5	90.5	90.8	90.9
GE 800	48.1	55.1	66.3	77.4	88.3	89.2	90.3	90.6	90.6	90.8	90.9	90.9	91.0	91.0	91.2	91.3
GE 700	48.3	55.3	66.7	77.8	89.0	90.2	91.4	91.7	91.7	91.8	91.9	91.9	92.0	92.0	92.3	92.4
GE 600	48.3	55.3	67.2	78.4	89.9	91.1	92.3	92.6	92.6	92.7	92.8	92.8	92.9	92.9	93.1	93.2
GE 500	48.4	55.5	67.7	79.1	90.9	92.0	93.3	93.7	93.7	93.8	93.9	93.9	94.0	94.0	94.2	94.4
GE 400	48.4	55.5	68.1	80.0	91.9	93.3	94.9	95.4	95.4	95.5	95.6	95.6	95.7	95.7	95.9	96.1
GE 300	48.4	55.5	68.1	80.2	92.5	94.0	95.9	96.6	96.7	96.9	97.0	97.0	97.2	97.2	97.4	97.7
GE 200	48.5	55.6	68.2	80.4	92.7	94.2	96.2	96.9	97.0	97.4	97.5	97.5	98.0	98.0	98.2	98.6
GE 100	48.5	55.7	68.3	80.5	92.8	94.3	96.5	97.2	97.3	97.7	97.8	97.8	98.4	98.5	98.8	99.8
GE 000	48.5	55.7	68.3	80.5	92.8	94.3	96.5	97.2	97.3	97.8	98.0	98.0	98.5	98.6	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	13.7	18.4	27.2	36.5	45.7	51.3	55.3	56.9	57.3	57.8	58.2	58.2	58.3	58.3	58.7	59.1
GE 20000	14.8	20.0	29.8	39.8	50.5	56.5	60.6	62.3	62.7	63.2	63.5	63.5	63.8	63.8	64.2	64.6
GE 18000	14.8	20.0	29.8	39.8	50.5	56.5	60.6	62.3	62.7	63.2	63.5	63.5	63.8	63.8	64.2	64.6
GE 16000	14.8	20.0	29.8	39.8	50.5	56.5	60.6	62.3	62.7	63.2	63.5	63.5	63.8	63.8	64.2	64.6
GE 14000	14.9	20.1	29.9	40.0	51.0	56.9	61.1	62.7	63.1	63.7	64.0	64.0	64.2	64.2	64.6	65.1
GE 12000	15.5	21.3	31.4	41.6	52.9	58.8	63.1	64.8	65.3	65.8	66.1	66.1	66.3	66.3	66.8	67.2
GE 10000	17.2	23.2	33.7	44.6	56.5	62.6	67.0	68.9	69.4	69.9	70.2	70.2	70.5	70.5	71.0	71.4
GE 9000	17.3	23.4	33.9	44.8	56.7	62.8	67.2	69.1	69.6	70.1	70.4	70.4	70.8	70.8	71.2	71.6
GE 8000	18.5	25.4	36.2	47.7	59.9	66.2	71.0	72.9	73.3	73.9	74.2	74.2	74.5	74.5	74.9	75.4
GE 7000	18.8	26.0	36.9	48.4	60.5	66.9	71.7	73.7	74.1	74.6	74.9	74.9	75.3	75.3	75.7	76.1
GE 6000	19.2	26.5	37.3	48.9	61.1	67.5	72.4	74.4	74.8	75.4	75.7	75.7	76.0	76.0	76.5	76.9
GE 5000	19.9	27.1	38.0	49.6	62.2	68.6	73.4	75.5	75.9	76.5	76.8	76.8	77.1	77.1	77.5	78.0
GE 4500	20.0	27.2	38.2	49.8	62.4	69.0	73.9	75.9	76.3	76.9	77.2	77.2	77.5	77.5	78.0	78.4
GE 4000	20.5	27.7	38.8	50.6	63.7	70.6	75.5	77.5	78.0	78.5	78.8	78.8	79.1	79.1	79.6	80.0
GE 3500	20.8	28.0	39.0	50.9	64.0	71.0	75.8	77.8	78.3	78.8	79.1	79.1	79.5	79.5	79.9	80.3
GE 3000	20.8	28.2	39.5	51.3	64.4	71.4	76.2	78.3	78.7	79.2	79.6	79.6	79.9	79.9	80.3	80.9
GE 2500	20.8	28.2	39.5	51.4	64.6	71.6	76.5	78.6	79.1	79.7	80.0	80.0	80.3	80.3	80.8	81.3
GE 2000	21.0	28.4	39.8	52.0	65.3	72.3	77.1	79.2	79.8	80.3	80.8	80.8	81.1	81.1	81.5	82.0
GE 1800	21.4	28.8	40.2	52.5	65.8	72.9	77.7	79.9	80.4	81.0	81.4	81.4	81.7	81.7	82.2	82.7
GE 1500	21.6	29.0	40.4	52.7	66.1	73.2	78.1	80.2	80.8	81.3	81.7	81.7	82.0	82.0	82.5	83.0
GE 1200	21.9	29.4	41.1	53.9	67.3	74.4	79.4	81.5	82.0	82.6	83.0	83.0	83.3	83.3	83.8	84.3
GE 1000	22.4	29.9	41.8	55.2	68.6	75.9	80.9	83.0	83.5	84.1	84.5	84.5	84.8	84.8	85.3	85.9
GE 900	22.5	30.2	42.3	55.7	69.2	76.8	81.8	84.1	84.6	85.2	85.6	85.6	85.9	85.9	86.3	87.0
GE 800	22.5	30.2	42.5	56.2	70.1	77.6	82.8	85.2	85.7	86.2	86.7	86.7	87.0	87.0	87.4	88.1
GE 700	22.6	30.3	42.7	56.8	71.1	78.8	84.2	86.7	87.2	87.7	88.2	88.2	88.5	88.5	88.9	89.6
GE 600	22.7	30.4	43.1	57.4	72.4	80.1	85.5	88.2	88.7	89.4	89.8	89.8	90.1	90.1	90.5	91.2
GE 500	22.8	30.6	43.4	58.2	74.0	81.8	87.5	90.5	91.1	91.7	92.2	92.2	92.5	92.5	93.0	93.7
GE 400	22.9	30.8	43.5	58.7	74.9	83.1	89.0	92.2	92.8	93.4	93.9	93.9	94.3	94.3	94.8	95.8
GE 300	23.0	30.9	43.9	59.0	75.5	83.7	89.8	92.9	93.5	94.6	95.2	95.2	95.7	95.8	96.5	97.6
GE 200	23.0	30.9	43.9	59.0	75.5	83.7	89.8	93.0	93.8	94.8	95.6	95.6	96.3	96.5	97.1	99.2
GE 100	23.0	30.9	43.9	59.0	75.5	83.7	89.8	93.0	93.8	94.9	95.7	95.7	96.7	96.8	97.4	99.8
GE 000	23.0	30.9	43.9	59.0	75.5	83.7	89.8	93.0	93.8	94.9	95.7	95.7	96.7	96.8	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	26.2	38.5	48.0	54.1	57.7	58.8	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 20000	29.9	43.5	54.1	60.8	64.7	65.9	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 18000	29.9	43.5	54.1	60.8	64.8	66.0	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 16000	29.9	43.5	54.1	60.8	64.8	66.0	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 14000	30.3	44.0	54.6	61.3	65.4	66.6	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 12000	31.4	45.7	56.9	63.9	68.1	69.2	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 10000	34.1	49.1	60.6	68.4	72.9	74.1	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 9000	34.2	49.2	60.8	68.5	73.0	74.2	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 8000	36.6	52.0	63.9	72.3	76.9	78.2	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 7000	36.9	52.6	64.4	72.9	77.7	79.0	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 6000	37.4	53.1	64.9	73.4	78.3	79.6	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 5000	38.1	53.8	65.6	74.1	78.9	80.2	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 4500	38.1	53.8	65.6	74.1	78.9	80.2	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 4000	38.3	54.0	65.9	74.6	79.7	81.1	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 3500	38.6	54.3	66.7	75.6	80.8	82.2	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 3000	39.4	55.6	68.2	77.2	82.5	83.9	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 2500	40.1	56.7	69.5	78.5	83.9	85.3	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 2000	41.0	57.6	70.6	80.0	85.7	87.1	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 1800	41.4	58.2	71.2	80.5	86.2	87.6	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 1500	42.5	59.4	72.6	82.2	87.8	89.2	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 1200	43.4	60.5	74.0	84.5	90.6	92.0	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1000	44.0	61.4	75.2	86.2	92.8	94.3	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 900	44.4	61.9	75.9	87.1	93.9	95.4	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 800	44.4	61.9	75.9	87.3	94.3	95.8	96.5	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 700	44.4	62.0	76.0	87.6	95.1	96.7	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 600	44.4	62.0	76.1	87.7	95.4	97.0	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 500	44.5	62.2	76.3	88.5	96.2	97.8	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	44.5	62.2	76.3	88.6	96.6	98.2	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	44.5	62.2	76.3	88.6	96.8	98.4	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	44.5	62.2	76.3	88.6	96.8	98.4	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	44.5	62.2	76.3	88.6	96.8	98.4	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	44.5	62.2	76.3	88.6	96.8	98.4	99.4	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	33.2	41.1	48.7	52.9	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 20000	39.7	48.3	57.4	62.0	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 18000	39.9	48.5	57.6	62.3	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 16000	40.1	48.7	57.8	62.5	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 14000	40.4	49.1	58.3	62.9	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 12000	42.4	51.4	61.1	66.0	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 10000	45.2	55.1	65.2	70.5	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 9000	45.3	55.2	65.3	70.6	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 8000	47.2	57.6	68.5	73.9	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 7000	47.2	57.6	68.6	74.0	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 6000	47.5	58.0	68.9	74.3	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 5000	48.1	58.5	69.5	74.8	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 4500	48.5	58.9	69.9	75.3	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 4000	50.9	61.3	72.7	78.1	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 3500	53.2	64.9	76.8	82.2	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 3000	57.3	69.8	83.1	89.7	92.5	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.0	93.0
GE 2500	58.5	71.1	84.8	91.8	94.6	94.9	94.9	95.1	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3
GE 2000	59.4	72.0	86.0	93.4	96.3	96.7	96.7	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0
GE 1800	59.7	72.5	86.5	93.9	96.8	97.1	97.1	97.2	97.2	97.3	97.3	97.3	97.4	97.4	97.4	97.4
GE 1500	60.1	73.1	87.1	94.5	97.4	97.7	97.7	97.8	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1
GE 1200	60.2	73.2	87.2	94.9	98.0	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6
GE 1000	60.2	73.3	87.5	95.3	98.3	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9
GE 900	60.2	73.3	87.5	95.3	98.4	98.7	98.7	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 800	60.2	73.3	87.5	95.3	98.5	98.8	98.8	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1
GE 700	60.2	73.3	87.7	95.5	98.7	99.0	99.2	99.4	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 600	60.2	73.3	87.7	95.6	98.8	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 500	60.2	73.3	87.7	95.6	98.8	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 400	60.2	73.3	87.7	95.6	98.8	99.1	99.5	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	60.2	73.3	87.7	95.6	98.8	99.1	99.5	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	60.2	73.3	87.7	95.6	98.8	99.1	99.5	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	60.2	73.3	87.7	95.6	98.8	99.1	99.5	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	60.2	73.3	87.7	95.6	98.8	99.1	99.5	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	30.6	37.1	44.5	49.2	50.3	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 20000	41.3	49.7	58.9	64.6	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 18000	41.4	49.8	59.0	64.7	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 16000	41.5	49.9	59.1	64.8	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 14000	41.7	50.3	59.6	65.3	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 12000	43.0	52.0	61.3	67.4	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 10000	45.9	55.3	65.4	72.3	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 9000	45.9	55.6	65.9	72.8	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 8000	48.8	58.9	69.5	76.8	78.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 7000	49.2	59.5	70.1	77.5	78.9	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 6000	49.7	59.9	70.5	78.1	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 5000	50.8	61.5	72.5	80.1	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 4500	51.1	62.0	73.1	80.9	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 4000	52.5	63.8	76.1	84.5	86.1	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 3500	53.9	65.7	78.9	87.5	89.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 3000	57.3	69.1	83.2	92.4	94.3	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 2500	58.0	69.8	84.1	93.4	95.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2000	58.3	70.2	84.6	94.0	96.2	96.9	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1800	58.3	70.2	84.6	94.1	96.3	97.0	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1500	58.3	70.2	84.6	94.2	96.8	97.4	97.4	97.5	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7
GE 1200	58.5	70.4	84.9	94.7	97.3	98.1	98.1	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	58.5	70.4	84.9	94.7	97.4	98.2	98.2	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5
GE 900	58.5	70.4	84.9	94.7	97.4	98.2	98.2	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5
GE 800	58.5	70.4	85.1	94.8	97.7	98.6	98.7	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	58.5	70.4	85.1	95.1	98.1	98.9	99.2	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	58.5	70.4	85.1	95.1	98.3	99.1	99.5	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	58.5	70.4	85.1	95.1	98.4	99.2	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	58.5	70.4	85.1	95.1	98.4	99.2	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	58.5	70.4	85.1	95.1	98.4	99.2	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	58.5	70.4	85.1	95.1	98.4	99.2	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	58.5	70.4	85.1	95.1	98.4	99.2	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	58.5	70.4	85.1	95.1	98.4	99.2	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 18-20

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET		GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL		32.0	37.2	43.5	48.9	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 20000		44.3	52.2	60.4	67.2	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 18000		44.3	52.2	60.5	67.3	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 16000		44.3	52.2	60.5	67.3	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 14000		44.5	52.5	61.0	67.7	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 12000		46.1	54.3	62.9	69.8	70.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 10000		49.5	58.7	69.1	76.6	77.4	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 9000		49.6	58.8	69.4	76.8	77.6	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 8000		52.3	61.7	72.7	80.3	81.5	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 7000		52.5	62.0	73.0	80.8	81.9	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 6000		53.0	62.6	73.7	81.4	82.6	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 5000		54.5	64.5	75.9	84.0	85.2	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 4500		54.6	64.6	76.1	84.2	85.4	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 4000		56.8	67.1	79.5	88.0	89.2	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 3500		58.7	69.6	82.2	90.8	92.2	92.6	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9
GE 3000		59.9	71.0	84.2	92.9	94.4	94.8	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2
GE 2500		60.4	71.5	84.9	93.7	95.2	95.6	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9
GE 2000		60.9	72.0	85.6	94.3	96.0	96.5	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0
GE 1800		60.9	72.0	85.6	94.3	96.0	96.5	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0
GE 1500		61.0	72.3	85.8	94.8	96.8	97.3	97.6	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8
GE 1200		61.3	72.6	86.1	95.5	97.4	98.0	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 1000		61.3	72.6	86.1	95.5	97.4	98.0	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
GE 900		61.5	72.8	86.5	95.8	97.7	98.3	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 800		61.5	72.8	86.5	95.8	97.7	98.3	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 700		61.5	72.8	86.5	96.0	98.0	98.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
GE 600		61.5	72.8	86.8	96.3	98.3	98.8	99.3	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500		61.5	72.8	86.8	96.3	98.3	98.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400		61.5	72.8	86.8	96.3	98.3	98.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300		61.5	72.8	86.8	96.3	98.3	98.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200		61.5	72.8	86.8	96.3	98.3	98.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100		61.5	72.8	86.8	96.3	98.3	98.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000		61.5	72.8	86.8	96.3	98.3	98.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.9	48.4	55.6	59.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	0	60.0
GE 20000	52.9	58.6	67.3	71.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 18000	52.9	58.6	67.3	71.0	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 16000	53.0	58.7	67.4	71.1	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 14000	53.0	58.7	67.4	71.1	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 12000	54.6	60.4	69.4	73.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 10000	58.6	65.2	74.8	78.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 9000	58.7	65.3	74.9	78.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 8000	61.9	68.5	78.9	83.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 7000	61.9	68.5	78.9	83.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 6000	62.2	68.9	79.4	83.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 5000	63.8	70.8	81.5	85.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 4500	63.9	70.9	81.7	86.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 4000	65.5	72.8	84.3	89.1	90.3	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 3500	66.2	73.9	85.4	90.2	91.5	91.6	91.7	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 3000	67.3	74.9	86.6	91.6	93.0	93.1	93.2	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 2500	68.0	75.7	87.4	92.6	94.1	94.3	94.4	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 2000	68.5	76.2	88.0	93.2	94.8	95.1	95.2	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1800	68.5	76.2	88.0	93.2	94.8	95.1	95.2	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 1500	69.0	77.0	89.1	94.6	96.2	96.5	96.6	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1200	69.2	77.4	89.8	95.4	97.1	97.4	97.5	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1000	69.4	77.6	90.0	95.6	97.7	98.1	98.2	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 900	69.4	77.6	90.0	95.6	97.7	98.1	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 800	69.6	77.8	90.2	95.8	98.0	98.3	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 700	69.8	78.1	90.5	96.1	98.3	98.6	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	69.9	78.2	90.9	96.5	98.7	99.0	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	69.9	78.2	90.9	96.6	98.8	99.1	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	69.9	78.2	90.9	96.6	98.8	99.1	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	69.9	78.2	90.9	96.6	99.0	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	69.9	78.2	90.9	96.6	99.0	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	69.9	78.2	90.9	96.6	99.0	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	69.9	78.2	90.9	96.6	99.0	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	32.8	39.0	46.5	52.0	55.7	56.7	57.4	57.6	57.7	57.8	57.8	57.8	57.8	57.8	57.9	58.0
GE 20000	39.0	46.7	55.6	62.0	66.0	67.1	67.8	68.1	68.1	68.2	68.2	68.2	68.3	68.3	68.4	68.4
GE 18000	39.1	46.8	55.7	62.0	66.0	67.2	67.9	68.1	68.2	68.2	68.3	68.3	68.3	68.3	68.4	68.5
GE 16000	39.1	46.8	55.7	62.1	66.1	67.2	67.9	68.2	68.2	68.3	68.4	68.4	68.4	68.4	68.5	68.6
GE 14000	39.3	47.1	56.0	62.4	66.4	67.6	68.3	68.5	68.6	68.6	68.7	68.7	68.7	68.7	68.8	68.9
GE 12000	40.5	48.5	57.7	64.3	68.4	69.5	70.2	70.5	70.5	70.6	70.7	70.7	70.7	70.7	70.8	70.8
GE 10000	43.5	52.2	62.1	69.2	73.5	74.7	75.4	75.7	75.8	75.8	75.9	75.9	75.9	75.9	76.0	76.1
GE 9000	43.6	52.4	62.3	69.4	73.7	74.9	75.6	75.9	76.0	76.0	76.1	76.1	76.2	76.2	76.2	76.3
GE 8000	45.7	54.9	65.4	72.8	77.3	78.5	79.3	79.6	79.7	79.7	79.8	79.8	79.9	79.9	79.9	80.0
GE 7000	45.9	55.2	65.7	73.3	77.8	79.0	79.8	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.4	80.5
GE 6000	46.2	55.6	66.1	73.7	78.2	79.5	80.3	80.6	80.6	80.7	80.8	80.8	80.8	80.8	80.9	81.0
GE 5000	47.2	56.7	67.3	75.0	79.6	80.8	81.6	81.9	82.0	82.1	82.1	82.1	82.2	82.2	82.3	82.3
GE 4500	47.4	56.9	67.6	75.3	79.9	81.2	81.9	82.3	82.3	82.4	82.4	82.4	82.5	82.5	82.6	82.6
GE 4000	48.7	58.5	69.6	77.6	82.4	83.8	84.6	84.9	85.0	85.0	85.1	85.1	85.1	85.1	85.2	85.3
GE 3500	49.7	59.8	71.3	79.3	84.2	85.6	86.4	86.8	86.8	86.9	87.0	87.0	87.0	87.0	87.1	87.2
GE 3000	51.2	61.5	73.5	81.9	86.9	88.3	89.2	89.5	89.6	89.7	89.8	89.8	89.8	89.8	89.9	90.0
GE 2500	51.7	62.1	74.3	82.8	87.9	89.3	90.2	90.6	90.6	90.7	90.8	90.8	90.9	90.9	91.0	91.0
GE 2000	52.3	62.7	75.0	83.7	89.0	90.4	91.3	91.7	91.7	91.9	91.9	91.9	92.0	92.0	92.1	92.2
GE 1800	52.4	62.9	75.2	83.9	89.2	90.6	91.5	91.9	92.0	92.1	92.2	92.2	92.2	92.3	92.3	92.4
GE 1500	52.9	63.5	75.9	84.7	90.1	91.6	92.5	92.9	92.9	93.1	93.2	93.2	93.2	93.2	93.3	93.4
GE 1200	53.2	63.9	76.4	85.6	91.1	92.6	93.6	94.0	94.0	94.1	94.2	94.2	94.3	94.3	94.4	94.5
GE 1000	53.4	64.1	76.8	86.1	91.8	93.3	94.3	94.7	94.7	94.9	95.0	95.0	95.0	95.0	95.1	95.2
GE 900	53.5	64.2	77.0	86.4	92.1	93.7	94.7	95.1	95.2	95.3	95.4	95.4	95.5	95.5	95.6	95.6
GE 800	53.5	64.3	77.1	86.6	92.5	94.0	95.1	95.5	95.6	95.7	95.8	95.8	95.9	95.9	95.9	96.0
GE 700	53.6	64.4	77.3	86.9	93.0	94.6	95.8	96.3	96.3	96.4	96.5	96.5	96.6	96.6	96.7	96.8
GE 600	53.7	64.4	77.5	87.2	93.4	95.0	96.2	96.7	96.8	96.9	97.0	97.0	97.1	97.1	97.2	97.3
GE 500	53.7	64.5	77.7	87.6	94.1	95.7	97.0	97.6	97.6	97.8	97.9	97.9	97.9	97.9	98.0	98.1
GE 400	53.7	64.5	77.8	87.8	94.4	96.1	97.5	98.1	98.2	98.3	98.5	98.5	98.5	98.5	98.6	98.8
GE 300	53.7	64.6	77.8	87.9	94.7	96.4	97.9	98.5	98.6	98.8	99.0	99.0	99.1	99.1	99.2	99.4
GE 200	53.7	64.6	77.8	87.9	94.7	96.4	97.9	98.6	98.7	98.9	99.1	99.1	99.3	99.3	99.4	99.7
GE 100	53.7	64.6	77.8	87.9	94.7	96.4	98.0	98.6	98.7	99.0	99.2	99.2	99.4	99.4	99.5	99.9
GE 000	53.7	64.6	77.8	87.9	94.7	96.4	98.0	98.6	98.7	99.0	99.2	99.2	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.3	55.4	60.2	61.4	63.3	63.3	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 20000	57.8	60.0	65.1	66.4	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 18000	57.8	60.0	65.2	66.6	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 16000	57.8	60.0	65.2	66.6	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 14000	58.3	60.6	65.8	67.1	69.3	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 12000	59.6	61.9	67.2	68.6	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 10000	62.1	64.7	70.0	71.3	73.6	73.6	73.6	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 9000	62.1	64.7	70.0	71.3	73.6	73.6	73.6	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 8000	64.6	67.2	72.7	74.3	76.6	76.7	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 7000	64.9	67.6	73.1	75.0	77.2	77.3	77.3	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 6000	65.3	68.1	73.7	75.6	77.8	77.9	77.9	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 5000	65.9	68.7	74.2	76.1	78.3	78.4	78.4	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 4500	66.0	68.8	74.3	76.2	78.6	78.7	78.7	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 4000	67.4	70.4	76.2	78.1	80.8	80.9	80.9	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 3500	68.4	71.6	77.4	79.3	82.3	82.4	82.4	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 3000	69.8	73.3	79.3	81.7	84.8	85.1	85.1	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 2500	70.2	73.9	79.9	82.3	85.4	85.8	85.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 2000	70.3	74.1	80.2	82.8	86.2	86.6	86.6	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 1800	70.3	74.1	80.2	82.8	86.2	86.6	86.6	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 1500	70.9	74.9	81.0	83.6	87.0	87.3	87.3	87.4	87.4	87.6	87.7	87.7	87.7	87.7	87.7	87.7
GE 1200	71.1	75.4	82.1	85.0	88.4	88.8	88.8	88.9	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1
GE 1000	71.4	75.8	82.6	85.8	89.3	89.9	89.9	90.1	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3
GE 900	71.9	76.2	83.0	86.2	89.9	90.4	90.4	90.7	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9
GE 800	72.6	76.9	83.8	87.1	90.8	91.9	92.2	92.4	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.7
GE 700	72.9	77.3	84.3	87.7	91.7	92.8	93.1	93.3	93.3	93.4	93.6	93.6	93.6	93.6	93.6	93.6
GE 600	73.0	77.4	84.6	88.2	92.7	93.8	94.3	94.6	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8
GE 500	73.0	77.4	84.8	89.0	94.6	95.8	96.7	96.9	96.9	97.0	97.1	97.1	97.2	97.2	97.2	97.2
GE 400	73.0	77.4	84.8	89.3	95.3	96.6	97.4	97.7	97.7	97.8	97.9	97.9	98.0	98.0	98.0	98.0
GE 300	73.0	77.4	84.8	89.3	95.4	96.7	97.7	98.2	98.2	98.3	98.4	98.4	98.6	98.6	98.6	98.6
GE 200	73.0	77.4	84.8	89.3	95.7	96.9	98.0	98.7	98.7	98.9	99.0	99.0	99.1	99.1	99.1	99.2
GE 100	73.0	77.4	84.8	89.3	95.8	97.0	98.1	98.8	98.8	99.3	99.7	99.7	99.8	99.8	99.8	100.0
GE 000	73.0	77.4	84.8	89.3	95.8	97.0	98.1	98.8	98.8	99.3	99.7	99.7	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.4	49.8	53.8	56.7	59.6	59.9	60.3	60.7	60.8	61.2	61.2	61.2	61.6	61.6	61.6	61.7
GE 20000	49.4	51.9	56.1	59.4	62.9	63.3	63.8	64.1	64.2	64.7	64.7	64.7	65.0	65.0	65.1	65.2
GE 18000	49.4	51.9	56.1	59.4	62.9	63.3	63.8	64.1	64.2	64.7	64.7	64.7	65.0	65.0	65.1	65.2
GE 16000	49.4	51.9	56.1	59.4	62.9	63.3	63.8	64.1	64.2	64.7	64.7	64.7	65.0	65.0	65.1	65.2
GE 14000	49.7	52.1	56.3	59.7	63.1	63.6	64.0	64.3	64.4	64.9	64.9	64.9	65.2	65.2	65.3	65.4
GE 12000	50.3	52.8	57.0	60.4	63.9	64.3	64.8	65.1	65.2	65.7	65.7	65.7	66.0	66.0	66.1	66.2
GE 10000	51.8	54.4	58.9	62.3	66.2	66.7	67.1	67.4	67.6	68.0	68.0	68.0	68.3	68.3	68.4	68.6
GE 9000	52.0	54.7	59.1	62.6	66.4	66.9	67.3	67.7	67.8	68.2	68.2	68.2	68.6	68.6	68.7	68.8
GE 8000	53.8	56.9	62.2	66.0	70.0	70.4	70.9	71.2	71.3	71.8	71.8	71.8	72.1	72.1	72.2	72.3
GE 7000	54.0	57.1	62.8	66.9	70.9	71.3	71.8	72.1	72.2	72.7	72.7	72.7	73.0	73.0	73.1	73.2
GE 6000	54.6	57.7	63.4	67.7	71.7	72.1	72.6	72.9	73.0	73.4	73.4	73.4	73.8	73.8	73.9	74.0
GE 5000	55.6	58.8	64.7	68.9	72.9	73.3	73.8	74.1	74.2	74.7	74.7	74.7	75.0	75.0	75.1	75.2
GE 4500	55.9	59.2	65.2	69.4	73.4	73.9	74.3	74.8	74.9	75.3	75.3	75.3	75.7	75.7	75.8	75.9
GE 4000	57.9	61.2	67.6	71.9	75.9	76.6	77.0	77.4	77.6	78.0	78.0	78.0	78.3	78.3	78.4	78.6
GE 3500	58.3	61.8	68.4	72.8	77.1	77.8	78.2	78.7	78.8	79.2	79.2	79.2	79.6	79.6	79.7	79.8
GE 3000	58.6	62.2	69.2	73.9	78.4	79.1	79.7	80.1	80.2	80.7	80.7	80.7	81.0	81.0	81.1	81.2
GE 2500	58.7	62.3	69.3	74.0	78.6	79.3	79.9	80.3	80.4	80.9	80.9	80.9	81.2	81.2	81.3	81.4
GE 2000	59.3	63.2	70.3	75.4	80.0	81.1	81.7	82.1	82.2	82.7	82.7	82.7	83.0	83.0	83.1	83.2
GE 1800	59.4	63.3	70.4	75.6	80.1	81.2	81.9	82.3	82.4	82.9	82.9	82.9	83.2	83.2	83.3	83.4
GE 1500	59.6	63.4	70.7	75.8	80.3	81.4	82.1	82.6	82.7	83.1	83.1	83.1	83.4	83.4	83.6	83.7
GE 1200	59.9	63.8	71.1	76.4	81.2	82.6	83.2	83.7	83.8	84.2	84.2	84.2	84.6	84.6	84.7	84.8
GE 1000	60.7	64.6	71.9	77.6	82.3	83.7	84.7	85.1	85.2	85.7	85.7	85.7	86.0	86.0	86.1	86.2
GE 900	60.7	64.6	71.9	77.8	82.7	84.1	85.1	85.6	85.7	86.1	86.1	86.1	86.4	86.4	86.6	86.7
GE 800	61.0	64.9	72.3	78.7	83.6	85.1	86.2	86.9	87.0	87.4	87.4	87.4	87.8	87.8	87.9	88.0
GE 700	61.4	65.3	72.9	79.4	84.8	86.3	87.4	88.1	88.2	88.7	88.7	88.7	89.0	89.0	89.1	89.2
GE 600	61.7	65.8	73.3	79.9	86.0	87.7	89.3	90.1	90.2	90.7	90.7	90.7	91.0	91.0	91.1	91.2
GE 500	61.7	65.8	73.3	80.9	87.4	89.1	91.0	91.8	91.9	92.3	92.3	92.3	92.8	92.8	92.9	93.0
GE 400	61.7	65.8	73.6	81.3	88.0	89.7	91.8	92.6	92.7	93.1	93.1	93.1	93.6	93.6	93.7	94.0
GE 300	61.7	65.8	73.6	81.7	88.6	90.4	92.8	93.8	93.9	94.3	94.4	94.4	95.0	95.0	95.2	95.7
GE 200	61.7	65.8	73.6	81.7	88.8	90.7	93.2	94.4	94.6	95.2	95.6	95.6	96.2	96.2	96.8	97.6
GE 100	61.7	65.8	73.6	81.7	88.9	90.8	93.4	94.8	94.9	95.7	96.3	96.7	97.6	97.7	98.4	99.4
GE 000	61.7	65.8	73.6	81.7	88.9	90.8	93.4	94.8	94.9	95.7	96.3	96.7	97.6	97.7	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	18.7	23.1	30.6	37.2	45.0	48.2	50.1	51.2	51.4	51.6	52.1	52.2	52.7	52.9	53.0	53.2
GE 20000	20.1	25.2	33.1	39.9	48.0	51.3	53.4	54.9	55.1	55.2	55.9	56.0	56.8	57.0	57.1	57.3
GE 18000	20.1	25.2	33.1	39.9	48.0	51.3	53.4	54.9	55.1	55.2	55.9	56.0	56.8	57.0	57.1	57.3
GE 16000	20.1	25.2	33.1	40.0	48.1	51.4	53.6	55.0	55.2	55.3	56.0	56.1	56.9	57.1	57.2	57.4
GE 14000	20.6	25.8	33.7	40.6	48.7	52.1	54.2	55.7	55.9	56.0	56.7	56.8	57.6	57.8	57.9	58.1
GE 12000	21.3	26.7	34.6	41.6	50.0	53.6	55.7	57.2	57.4	57.7	58.3	58.4	59.2	59.4	59.6	59.8
GE 10000	22.3	28.1	37.0	44.1	53.0	56.6	58.8	60.4	60.7	60.9	61.6	61.7	62.6	62.8	62.9	63.1
GE 9000	22.7	28.8	37.8	45.0	53.9	57.4	59.7	61.3	61.6	61.8	62.4	62.6	63.4	63.7	63.8	64.0
GE 8000	24.8	31.8	41.3	48.8	58.3	61.9	64.2	65.9	66.1	66.3	67.0	67.1	68.0	68.2	68.3	68.7
GE 7000	25.0	32.2	41.9	49.7	59.2	62.8	65.1	66.8	67.0	67.2	67.9	68.0	68.9	69.1	69.2	69.6
GE 6000	25.1	32.3	42.2	50.1	59.9	63.4	65.8	67.4	67.7	67.9	68.6	68.7	69.6	69.8	69.9	70.2
GE 5000	25.6	33.0	42.9	50.9	60.7	64.6	67.0	68.7	68.9	69.1	69.8	69.9	70.8	71.0	71.1	71.4
GE 4500	25.9	33.3	43.2	51.2	61.0	65.0	67.4	69.1	69.3	69.6	70.2	70.3	71.2	71.4	71.6	71.9
GE 4000	27.1	34.7	44.6	52.7	62.6	66.7	69.2	70.9	71.1	71.4	72.1	72.2	73.1	73.3	73.4	73.8
GE 3500	28.0	35.6	45.4	53.6	63.4	67.6	70.1	71.8	72.0	72.3	73.0	73.1	74.0	74.2	74.3	74.7
GE 3000	29.3	36.9	46.8	55.1	65.1	69.2	71.8	73.4	73.7	74.0	74.7	74.8	75.7	75.9	76.0	76.3
GE 2500	29.9	37.6	47.6	56.2	66.2	70.6	73.1	74.8	75.0	75.3	76.0	76.1	77.0	77.2	77.3	77.7
GE 2000	30.2	37.9	47.9	57.2	67.4	71.9	74.4	76.1	76.3	76.7	77.3	77.4	78.3	78.6	78.7	79.0
GE 1800	30.2	37.9	48.0	57.4	67.7	72.1	74.7	76.3	76.6	76.9	77.6	77.7	78.6	78.8	78.9	79.2
GE 1500	30.4	38.1	48.3	57.8	68.0	72.4	75.0	76.7	76.9	77.2	77.9	78.0	78.9	79.1	79.2	79.6
GE 1200	30.8	38.8	49.1	58.8	69.2	73.9	76.4	78.1	78.7	79.1	79.8	79.9	80.8	81.0	81.1	81.4
GE 1000	31.0	39.0	49.3	59.1	69.6	74.4	77.1	78.8	79.3	79.8	80.4	80.6	81.6	81.8	81.9	82.2
GE 900	31.4	39.4	50.0	60.0	70.7	75.6	78.2	79.9	80.4	81.0	81.7	81.8	82.8	83.0	83.1	83.4
GE 800	31.6	39.6	50.2	60.3	71.2	76.2	79.1	80.8	81.4	82.0	82.7	82.8	83.8	84.0	84.1	84.4
GE 700	31.7	39.7	50.3	61.0	72.8	77.9	80.8	82.4	83.1	83.7	84.3	84.4	85.4	85.7	85.8	86.1
GE 600	32.0	40.0	50.9	61.8	74.0	79.3	82.3	84.1	84.8	85.4	86.1	86.2	87.2	87.4	87.6	87.9
GE 500	32.1	40.1	51.2	62.7	75.8	81.4	84.7	87.0	87.8	88.6	89.6	89.7	90.7	90.9	91.0	91.6
GE 400	32.1	40.1	51.3	63.3	77.2	82.9	86.3	89.3	90.1	91.0	92.1	92.2	93.2	93.4	93.7	94.3
GE 300	32.1	40.1	51.3	63.4	77.3	83.2	87.2	90.8	91.7	92.8	94.1	94.2	95.4	95.7	96.0	97.0
GE 200	32.1	40.1	51.3	63.4	77.4	83.3	87.3	90.9	91.9	93.2	94.8	94.9	96.6	96.8	97.3	98.8
GE 100	32.1	40.1	51.3	63.4	77.4	83.3	87.3	91.0	92.0	93.4	95.1	95.2	96.9	97.1	98.0	99.9
GE 000	32.1	40.1	51.3	63.4	77.4	83.3	87.3	91.0	92.0	93.4	95.1	95.2	96.9	97.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	34.0	42.3	50.2	54.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 20000	37.4	46.7	55.1	59.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 18000	37.4	46.7	55.2	59.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 16000	37.4	46.7	55.2	59.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 14000	37.8	47.0	55.6	59.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 12000	39.2	48.7	57.4	61.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 10000	41.3	51.7	61.2	65.8	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 9000	41.6	51.9	61.6	66.3	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 8000	44.2	54.9	65.2	70.6	71.9	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 7000	44.7	55.7	66.0	71.3	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 6000	45.0	56.0	66.3	71.9	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 5000	45.6	56.8	67.1	72.7	74.0	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 4500	45.9	57.2	67.6	73.1	74.4	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 4000	46.8	58.2	68.6	74.2	75.7	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 3500	47.0	58.6	69.0	74.8	76.3	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 3000	48.0	59.9	70.6	76.9	78.7	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 2500	48.9	60.8	71.6	78.1	79.9	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 2000	49.8	61.8	72.8	79.7	81.4	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 1800	49.8	61.8	72.8	79.7	81.4	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 1500	50.6	62.8	74.1	81.2	83.2	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 1200	52.0	64.7	76.4	83.9	86.2	87.0	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 1000	52.3	65.0	77.0	85.2	88.1	89.2	89.7	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 900	52.9	65.8	78.0	86.2	89.3	90.4	90.9	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 800	53.3	66.2	78.4	87.0	90.4	91.7	92.4	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 700	53.6	66.6	79.0	87.8	91.6	93.0	93.8	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 600	53.6	66.8	79.6	88.8	92.8	94.2	95.2	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 500	53.6	66.9	79.7	89.3	94.1	95.7	97.1	98.0	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 400	53.6	66.9	79.7	89.6	94.9	96.6	98.2	99.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	53.6	66.9	79.7	89.6	94.9	96.6	98.2	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	53.6	66.9	79.7	89.6	94.9	96.6	98.2	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	53.6	66.9	79.7	89.6	94.9	96.6	98.2	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	53.6	66.9	79.7	89.6	94.9	96.6	98.2	99.3	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.4	52.0	55.1	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 20000	52.2	59.3	62.9	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 18000	52.2	59.3	62.9	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 16000	52.2	59.3	62.9	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 4000	52.2	59.3	62.9	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 12000	53.4	60.9	64.6	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 10000	57.7	65.9	70.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 9000	57.7	65.9	70.0	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 8000	62.0	70.3	74.9	76.1	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 7000	62.8	71.1	75.7	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 6000	62.8	71.1	75.7	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 5000	63.1	71.6	76.2	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 4500	63.4	71.9	76.6	77.9	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 4000	65.0	73.7	78.6	80.0	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 3500	65.7	74.8	79.7	81.2	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 3000	67.8	77.7	83.0	85.0	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 2500	68.4	78.4	84.2	86.3	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 2000	69.1	79.6	86.8	88.9	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 1800	69.4	79.9	87.3	89.4	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 1500	70.8	81.3	88.9	91.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 1200	71.7	82.6	90.4	93.1	94.1	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1000	71.9	82.8	90.9	94.2	95.3	96.4	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 900	72.4	83.3	91.6	95.1	96.2	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 800	72.7	83.6	91.8	95.4	96.9	98.0	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	72.9	83.8	92.0	95.9	97.6	98.7	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	72.9	83.8	92.0	96.0	97.7	98.8	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	72.9	83.8	92.0	96.0	97.7	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	72.9	83.8	92.0	96.0	97.7	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	72.9	83.8	92.0	96.0	97.7	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	72.9	83.8	92.0	96.0	97.7	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	72.9	83.8	92.0	96.0	97.7	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	72.9	83.8	92.0	96.0	97.7	98.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.4	50.6	53.0	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 20000	54.8	61.6	65.0	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 18000	54.9	61.7	65.1	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 16000	55.0	61.8	65.2	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 14000	55.1	61.9	65.3	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 12000	56.0	62.9	66.3	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 10000	60.8	67.9	71.8	73.3	73.4	73.4	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 9000	60.9	68.0	71.9	73.4	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 8000	66.0	73.3	77.6	79.2	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 7000	66.2	73.6	77.8	79.7	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 6000	66.7	74.0	78.2	80.1	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 5000	66.9	74.3	78.6	80.4	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 4500	67.3	74.8	79.1	81.0	81.4	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 4000	69.3	77.0	82.0	84.0	84.4	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 3500	70.7	78.3	83.3	85.6	86.0	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 3000	72.6	80.6	86.0	88.7	89.1	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 2500	73.2	81.4	87.3	90.0	90.6	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 2000	73.7	82.1	88.4	92.0	92.7	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 1800	73.7	82.1	88.4	92.0	92.7	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 1500	74.2	82.8	89.2	93.0	93.9	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1200	75.0	83.8	90.3	94.3	95.3	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1000	75.2	84.0	90.7	94.9	96.0	96.4	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 900	75.7	84.4	91.1	95.4	96.6	97.1	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 800	75.8	84.6	91.4	95.9	97.3	98.0	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 700	75.8	84.6	91.4	95.9	97.4	98.1	98.3	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 600	75.8	84.7	91.6	96.0	97.6	98.3	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	75.8	84.7	91.7	96.1	97.9	98.8	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	75.8	84.7	91.7	96.1	97.9	98.8	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	75.8	84.7	91.7	96.1	97.9	98.8	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	75.8	84.7	91.7	96.1	97.9	98.8	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	75.8	84.7	91.7	96.1	97.9	98.8	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	75.8	84.7	91.7	96.1	97.9	98.8	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.3	52.2	54.9	56.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 20000	58.3	63.6	67.0	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 18000	58.6	63.8	67.2	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 16000	58.6	63.8	67.2	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 14000	58.8	64.0	67.4	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 12000	60.3	65.7	69.1	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 10000	63.8	69.7	73.7	75.4	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 9000	64.0	69.9	73.9	75.7	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 8000	67.7	73.9	78.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 7000	68.3	74.7	78.8	80.8	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 6000	68.8	75.1	79.3	81.4	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 5000	69.8	76.1	80.3	82.4	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 4500	69.9	76.2	80.4	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 4000	71.7	78.0	82.7	85.0	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 3500	72.9	79.3	84.0	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 3000	74.8	81.3	86.3	89.4	91.0	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 2500	75.4	82.1	87.2	90.3	91.9	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 2000	76.0	82.9	88.2	91.7	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 1800	76.0	82.9	88.2	91.7	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 1500	76.1	83.0	88.3	92.0	93.8	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1200	76.3	83.2	88.6	92.3	94.3	94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1000	76.8	83.7	89.0	92.9	95.7	95.9	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 900	77.1	84.0	89.3	93.3	96.1	96.3	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 800	77.3	84.3	89.7	93.8	96.7	97.0	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 700	77.3	84.3	89.7	94.0	97.2	97.6	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	77.3	84.4	89.9	94.2	97.7	98.1	98.7	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	77.3	84.4	90.0	94.6	98.2	98.7	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	77.3	84.4	90.0	94.6	98.2	98.7	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	77.3	84.4	90.0	94.6	98.2	98.7	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	77.3	84.4	90.0	94.6	98.2	98.7	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	77.3	84.4	90.0	94.6	98.2	98.7	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	77.3	84.4	90.0	94.6	98.2	98.7	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.8	59.8	63.4	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 20000	62.6	66.2	70.6	71.4	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 18000	62.6	66.2	70.6	71.4	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 16000	62.6	66.2	70.6	71.4	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 14000	62.9	66.6	70.9	71.8	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 12000	64.6	68.2	72.6	73.4	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 10000	66.3	70.3	74.8	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 9000	66.3	70.3	74.8	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 8000	69.9	73.9	78.4	79.8	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 7000	70.6	74.6	79.1	80.4	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 6000	70.9	74.9	79.4	80.8	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 5000	71.6	75.6	80.1	81.4	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 4500	71.7	75.7	80.2	81.6	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 4000	73.4	77.4	82.1	83.7	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 3500	75.1	79.1	83.9	85.4	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 3000	77.2	81.3	86.1	88.2	89.1	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 2500	77.9	82.0	86.8	89.1	90.0	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 2000	78.3	82.7	87.6	90.2	91.1	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 1800	78.6	82.9	87.8	90.6	91.6	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1500	78.7	83.0	88.0	90.8	92.1	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1200	78.7	83.0	88.3	91.4	93.3	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1000	78.8	83.1	88.4	91.7	93.8	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 900	79.4	83.8	89.2	92.4	94.6	94.9	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 800	79.7	84.0	89.6	92.8	94.9	95.2	95.9	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 700	80.0	84.3	89.9	93.4	95.7	96.0	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 600	80.2	84.8	90.4	94.2	97.0	97.3	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 500	80.3	84.9	90.6	94.6	97.8	98.1	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	80.3	84.9	90.6	94.6	97.9	98.3	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	80.3	84.9	90.6	94.6	97.9	98.3	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	80.3	84.9	90.6	94.7	98.2	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	80.3	84.9	90.6	94.7	98.2	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	80.3	84.9	90.6	94.7	98.2	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.9	48.2	52.7	54.9	56.8	57.2	57.5	57.7	57.7	57.8	57.9	57.9	58.0	58.0	58.0	58.1
GE 20000	49.1	54.3	59.4	61.9	63.9	64.4	64.7	64.9	65.0	65.1	65.2	65.2	65.3	65.3	65.4	65.4
GE 18000	49.1	54.3	59.4	62.0	64.0	64.5	64.8	65.0	65.1	65.1	65.2	65.2	65.3	65.4	65.4	65.5
GE 16000	49.1	54.4	59.4	62.0	64.0	64.5	64.8	65.0	65.1	65.2	65.3	65.3	65.4	65.4	65.5	65.5
GE 14000	49.4	54.7	59.7	62.3	64.3	64.8	65.1	65.3	65.4	65.5	65.6	65.6	65.7	65.7	65.8	65.8
GE 12000	50.6	56.0	61.1	63.7	65.8	66.3	66.6	66.8	66.9	67.0	67.0	67.1	67.2	67.2	67.3	67.3
GE 10000	53.3	59.1	64.7	67.4	69.7	70.2	70.5	70.8	70.8	70.9	71.0	71.0	71.2	71.2	71.3	71.3
GE 9000	53.4	59.3	64.9	67.7	69.9	70.4	70.8	71.1	71.1	71.2	71.3	71.3	71.4	71.5	71.5	71.5
GE 8000	56.6	62.8	68.8	71.8	74.3	74.8	75.2	75.4	75.5	75.6	75.7	75.7	75.8	75.8	75.9	75.9
GE 7000	57.1	63.3	69.4	72.6	75.0	75.5	75.9	76.2	76.2	76.3	76.4	76.4	76.6	76.6	76.6	76.7
GE 6000	57.4	63.7	69.8	73.1	75.5	76.0	76.4	76.7	76.7	76.8	76.9	76.9	77.1	77.1	77.1	77.2
GE 5000	58.0	64.3	70.5	73.8	76.3	76.8	77.2	77.5	77.5	77.6	77.7	77.7	77.9	77.9	77.9	78.0
GE 4500	58.3	64.6	70.8	74.1	76.6	77.2	77.6	77.9	77.9	78.0	78.1	78.1	78.3	78.3	78.3	78.4
GE 4000	59.8	66.3	72.8	76.2	78.8	79.5	79.9	80.2	80.2	80.3	80.4	80.4	80.6	80.6	80.7	80.7
GE 3500	60.8	67.4	73.9	77.4	80.1	80.8	81.2	81.5	81.6	81.7	81.8	81.8	81.9	82.0	82.0	82.0
GE 3000	62.3	69.2	75.9	79.9	82.7	83.5	83.9	84.2	84.3	84.4	84.5	84.5	84.6	84.7	84.7	84.8
GE 2500	62.8	69.8	76.7	80.8	83.7	84.5	84.9	85.2	85.3	85.4	85.5	85.5	85.6	85.7	85.7	85.8
GE 2000	63.3	70.5	77.8	82.2	85.2	86.1	86.6	86.9	86.9	87.0	87.1	87.1	87.3	87.3	87.3	87.4
GE 1800	63.4	70.6	77.9	82.4	85.4	86.3	86.7	87.0	87.1	87.2	87.3	87.3	87.4	87.5	87.5	87.6
GE 1500	63.9	71.2	78.6	83.2	86.3	87.2	87.7	88.0	88.0	88.2	88.3	88.3	88.4	88.4	88.5	88.5
GE 1200	64.4	71.9	79.6	84.4	87.8	88.8	89.4	89.7	89.8	89.9	90.0	90.0	90.2	90.2	90.2	90.3
GE 1000	64.8	72.2	80.0	85.2	88.8	90.0	90.7	91.1	91.2	91.3	91.4	91.4	91.6	91.6	91.6	91.7
GE 900	65.2	72.7	80.5	85.8	89.5	90.8	91.5	91.9	92.0	92.1	92.2	92.3	92.4	92.4	92.5	92.5
GE 800	65.5	73.0	80.9	86.4	90.2	91.6	92.5	93.1	93.2	93.3	93.4	93.4	93.6	93.6	93.7	93.7
GE 700	65.7	73.2	81.2	86.9	91.1	92.5	93.4	94.0	94.1	94.3	94.4	94.4	94.6	94.6	94.6	94.7
GE 600	65.8	73.5	81.5	87.4	91.9	93.4	94.6	95.2	95.3	95.5	95.6	95.7	95.8	95.8	95.9	95.9
GE 500	65.8	73.5	81.7	87.9	92.9	94.5	95.8	96.6	96.7	97.0	97.1	97.1	97.3	97.3	97.4	97.4
GE 400	65.8	73.5	81.7	88.1	93.4	95.0	96.4	97.3	97.4	97.7	97.8	97.8	98.0	98.1	98.1	98.2
GE 300	65.8	73.5	81.7	88.2	93.5	95.2	96.7	97.7	97.8	98.1	98.3	98.3	98.6	98.6	98.7	98.9
GE 200	65.8	73.5	81.7	88.2	93.6	95.3	96.8	97.9	98.1	98.4	98.7	98.7	99.0	99.0	99.2	99.4
GE 100	65.8	73.5	81.7	88.2	93.6	95.3	96.9	97.9	98.1	98.6	98.9	98.9	99.3	99.3	99.5	99.9
GE 000	65.8	73.5	81.7	88.2	93.6	95.3	96.9	97.9	98.1	98.6	98.9	98.9	99.3	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	62.9	65.2	66.1	67.0	68.5	68.5	68.8	68.8	68.8	68.8	68.9	68.9	68.9	69.0	69.0	69.0
GE 20000	67.1	69.4	70.3	71.2	72.7	72.7	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.2	73.2	73.2
GE 18000	67.1	69.4	70.3	71.2	72.7	72.7	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.2	73.2	73.2
GE 16000	67.1	69.4	70.3	71.2	72.7	72.7	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.2	73.2	73.2
GE 14000	67.1	69.4	70.3	71.2	72.7	72.7	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.2	73.2	73.2
GE 12000	68.1	70.3	71.3	72.2	73.7	73.7	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.2	74.2	74.2
GE 10000	70.1	72.6	73.7	74.7	76.3	76.3	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.9	76.9	76.9
GE 9000	70.2	72.7	73.8	74.8	76.5	76.5	76.8	76.8	76.8	76.8	76.9	76.9	76.9	77.0	77.0	77.0
GE 8000	73.4	76.0	77.1	78.3	79.9	79.9	80.2	80.2	80.2	80.2	80.3	80.3	80.3	80.4	80.4	80.4
GE 7000	73.8	76.3	77.4	78.6	80.2	80.2	80.5	80.5	80.5	80.5	80.6	80.6	80.6	80.8	80.8	80.8
GE 6000	74.3	76.9	78.0	79.1	80.8	80.8	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.3	81.3	81.3
GE 5000	74.6	77.2	78.3	79.5	81.1	81.1	81.4	81.4	81.4	81.4	81.5	81.5	81.5	81.6	81.6	81.6
GE 4500	75.2	77.7	78.8	80.0	81.6	81.6	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.2	82.2	82.2
GE 4000	77.0	79.6	81.0	82.4	84.2	84.3	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.8	84.8	84.8
GE 3500	77.1	79.7	81.2	82.6	84.4	84.5	84.8	84.8	84.8	84.8	84.9	84.9	84.9	85.1	85.1	85.1
GE 3000	78.7	81.5	83.1	84.9	87.0	87.1	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.6	87.6	87.6
GE 2500	79.2	82.0	83.7	85.5	87.5	87.6	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.2	88.2	88.2
GE 2000	80.2	83.0	84.8	86.7	89.0	89.1	89.5	89.5	89.5	89.5	89.6	89.6	89.6	89.7	89.7	89.7
GE 1800	80.2	83.1	84.9	86.8	89.1	89.2	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.8	89.8	89.8
GE 1500	80.3	83.3	85.2	87.1	89.5	89.6	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.1	90.1	90.1
GE 1200	80.6	83.7	85.7	87.6	90.2	90.3	90.6	90.6	90.6	90.6	90.8	90.8	90.8	90.9	90.9	90.9
GE 1000	81.3	84.6	87.1	89.0	92.0	92.2	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.7	92.7	92.7
GE 900	81.4	84.7	87.5	89.5	92.6	92.7	93.0	93.2	93.2	93.2	93.3	93.3	93.3	93.4	93.4	93.4
GE 800	81.4	84.7	88.0	90.0	93.2	93.3	93.7	93.9	93.9	93.9	94.0	94.0	94.0	94.1	94.1	94.1
GE 700	81.7	85.1	88.3	90.3	93.5	93.7	94.0	94.2	94.2	94.2	94.3	94.3	94.3	94.4	94.4	94.4
GE 600	81.9	85.3	88.7	90.8	94.0	94.1	94.4	94.7	94.7	94.7	94.8	94.8	94.8	94.9	94.9	94.9
GE 500	82.2	85.5	89.4	91.5	94.9	95.1	95.6	95.9	95.9	95.9	96.0	96.0	96.0	96.1	96.2	96.2
GE 400	82.2	85.5	89.4	91.7	95.6	96.1	96.9	97.5	97.5	97.5	97.6	97.6	97.6	97.7	97.8	98.0
GE 300	82.2	85.5	89.4	91.8	96.2	96.8	97.5	98.2	98.2	98.3	98.5	98.5	98.5	98.6	98.7	98.8
GE 200	82.3	85.6	89.5	91.9	96.5	97.0	97.8	98.5	98.5	98.7	98.9	98.9	98.9	99.0	99.2	99.6
GE 100	82.3	85.6	89.5	91.9	96.5	97.0	97.8	98.5	98.5	98.7	98.9	98.9	98.9	99.0	99.4	99.8
GE 000	82.3	85.6	89.5	91.9	96.5	97.0	97.8	98.5	98.5	98.7	98.9	98.9	98.9	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT OURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	54.8	56.9	59.9	62.0	63.4	63.7	64.1	64.4	64.5	64.8	64.8	64.8	64.9	64.9	65.3	65.3
GE 20000	58.0	60.0	63.2	65.4	66.8	67.0	67.4	67.7	67.8	68.2	68.2	68.2	68.3	68.3	68.6	68.6
GE 18000	58.0	60.0	63.2	65.4	66.8	67.0	67.4	67.7	67.8	68.2	68.2	68.2	68.3	68.3	68.6	68.6
GE 16000	58.0	60.0	63.2	65.4	66.8	67.0	67.4	67.7	67.8	68.2	68.2	68.2	68.3	68.3	68.6	68.6
GE 14000	58.2	60.2	63.4	65.6	67.0	67.2	67.6	68.0	68.1	68.4	68.4	68.4	68.5	68.5	68.8	68.8
GE 12000	58.9	61.0	64.2	66.3	67.7	68.0	68.6	68.9	69.0	69.4	69.4	69.4	69.5	69.5	69.8	69.8
GE 10000	60.9	62.9	66.1	68.3	69.8	70.0	70.9	71.2	71.3	71.6	71.6	71.6	71.7	71.7	72.0	72.0
GE 9000	61.0	63.0	66.2	68.4	69.9	70.1	71.0	71.3	71.4	71.7	71.7	71.7	71.8	71.8	72.2	72.2
GE 8000	63.8	65.8	69.1	71.5	73.0	73.2	74.1	74.4	74.5	74.8	74.8	74.8	74.9	74.9	75.3	75.3
GE 7000	64.0	66.0	69.4	71.7	73.3	73.5	74.4	74.7	74.8	75.2	75.2	75.2	75.3	75.3	75.6	75.6
GE 6000	64.3	66.3	69.7	72.0	73.7	73.9	74.7	75.1	75.2	75.5	75.5	75.5	75.6	75.6	75.9	75.9
GE 5000	64.9	67.0	70.3	72.7	74.3	74.5	75.4	75.7	75.8	76.1	76.1	76.1	76.2	76.2	76.6	76.6
GE 4500	65.4	67.4	70.8	73.1	74.7	74.9	75.8	76.1	76.2	76.6	76.6	76.6	76.7	76.7	77.0	77.0
GE 4000	67.7	69.8	73.7	76.3	78.1	78.3	79.2	79.6	79.7	80.0	80.0	80.0	80.1	80.1	80.4	80.4
GE 3500	68.5	70.5	74.5	77.2	78.9	79.1	80.1	80.4	80.5	80.9	80.9	80.9	81.0	81.0	81.3	81.3
GE 3000	69.0	71.2	75.2	77.8	79.6	79.8	80.8	81.1	81.2	81.5	81.5	81.5	81.6	81.6	81.9	81.9
GE 2500	69.4	71.6	75.6	78.3	80.0	80.2	81.2	81.5	81.6	81.9	81.9	81.9	82.0	82.0	82.4	82.4
GE 2000	70.5	72.8	76.8	79.7	81.5	81.7	82.7	83.0	83.1	83.4	83.4	83.4	83.5	83.5	83.9	83.9
GE 1800	70.6	72.9	77.2	80.1	81.9	82.2	83.1	83.4	83.5	83.9	83.9	83.9	84.0	84.0	84.3	84.3
GE 1500	71.4	73.7	78.2	81.2	83.0	83.2	84.3	84.6	84.7	85.1	85.1	85.1	85.2	85.2	85.5	85.5
GE 1200	71.9	74.2	78.8	81.9	83.9	84.1	85.3	85.6	85.7	86.0	86.0	86.0	86.1	86.1	86.5	86.5
GE 1000	72.4	74.6	79.8	83.0	85.7	85.9	87.1	87.4	87.5	87.8	87.8	87.8	88.0	88.0	88.3	88.3
GE 900	72.4	74.9	80.4	83.8	86.5	86.7	87.8	88.2	88.3	88.6	88.6	88.6	88.7	88.7	89.0	89.0
GE 800	72.4	74.9	80.8	84.2	86.9	87.1	88.3	88.6	88.7	89.0	89.0	89.0	89.1	89.1	89.5	89.5
GE 700	72.5	75.1	81.0	84.4	87.3	87.5	88.7	89.0	89.1	89.5	89.5	89.5	89.6	89.6	89.9	89.9
GE 600	72.6	75.2	81.2	84.7	87.8	88.2	89.4	90.0	90.1	90.4	90.4	90.4	90.5	90.5	90.9	90.9
GE 500	72.7	75.3	81.4	85.4	89.7	90.2	91.4	92.0	92.2	92.6	92.6	92.6	92.7	92.7	93.0	93.0
GE 400	72.7	75.3	81.4	85.8	90.5	91.7	93.2	94.0	94.1	94.6	94.6	94.6	94.7	94.7	95.2	95.2
GE 300	72.7	75.3	81.4	85.8	91.3	92.7	94.2	94.9	95.3	95.8	95.8	95.8	96.1	96.2	96.9	97.0
GE 200	72.7	75.3	81.4	85.8	91.4	93.0	94.6	95.4	95.7	96.2	96.3	96.3	96.9	97.0	98.0	98.5
GE 100	72.7	75.3	81.4	85.8	91.4	93.0	94.6	95.5	95.9	96.6	96.7	96.7	97.3	97.4	98.4	99.4
GE 000	72.7	75.3	81.4	85.8	91.4	93.0	94.6	95.5	95.9	96.6	96.7	96.7	97.3	97.4	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.2	39.4	45.3	48.0	49.7	50.3	51.4	52.4	52.6	52.8	53.0	53.0	53.9	54.1	54.3	54.6
GE 20000	39.7	43.1	49.6	52.7	54.6	55.3	56.5	57.4	57.7	58.0	58.2	58.2	59.1	59.4	59.6	60.0
GE 18000	39.8	43.2	49.7	52.8	54.7	55.4	56.6	57.5	57.8	58.1	58.3	58.3	59.2	59.5	59.7	60.1
GE 16000	39.8	43.2	49.7	52.8	54.7	55.4	56.6	57.5	57.8	58.1	58.3	58.3	59.2	59.5	59.7	60.1
GE 14000	39.9	43.3	49.8	52.9	54.8	55.5	56.7	57.6	58.0	58.2	58.4	58.4	59.4	59.6	59.8	60.2
GE 12000	41.2	45.1	51.5	54.6	56.6	57.2	58.4	59.4	59.7	59.9	60.1	60.1	61.1	61.3	61.5	61.9
GE 10000	42.5	46.7	53.4	56.9	59.1	59.8	61.1	62.2	62.5	62.7	62.9	63.0	64.0	64.2	64.4	64.9
GE 9000	42.5	46.7	53.4	56.9	59.1	59.8	61.1	62.2	62.5	62.7	62.9	63.0	64.0	64.2	64.4	64.9
GE 8000	45.3	49.9	56.9	60.6	63.1	63.8	65.2	66.2	66.6	66.8	67.2	67.3	68.4	68.6	68.8	69.4
GE 7000	45.9	50.5	57.6	61.4	63.9	64.5	65.9	67.0	67.3	67.5	68.0	68.1	69.1	69.4	69.6	70.1
GE 6000	46.2	50.9	58.0	61.8	64.4	65.1	66.5	67.5	67.8	68.1	68.5	68.6	69.7	69.9	70.1	70.6
GE 5000	47.5	52.3	59.4	63.2	66.1	66.8	68.2	69.2	69.6	69.8	70.2	70.3	71.4	71.6	71.8	72.4
GE 4500	48.3	53.0	60.1	64.0	67.0	67.6	69.0	70.1	70.4	70.6	71.1	71.2	72.3	72.5	72.7	73.2
GE 4000	50.0	54.8	62.3	66.5	69.6	70.3	71.8	73.0	73.3	73.5	74.0	74.1	75.2	75.4	75.6	76.1
GE 3500	50.3	55.3	62.8	67.0	70.1	70.9	72.4	73.7	74.0	74.2	74.6	74.7	75.8	76.0	76.2	76.8
GE 3000	50.6	55.6	63.2	67.5	70.8	71.5	73.3	74.6	74.9	75.2	75.6	75.7	76.8	77.0	77.2	77.7
GE 2500	51.0	55.9	63.5	67.8	71.1	71.8	73.8	75.1	75.4	75.6	76.0	76.1	77.2	77.4	77.6	78.2
GE 2000	52.0	57.3	65.1	69.5	72.7	73.5	75.5	76.8	77.1	77.3	77.7	77.8	78.9	79.1	79.4	79.9
GE 1800	52.0	57.4	65.3	69.8	73.1	74.0	75.9	77.2	77.5	77.7	78.2	78.3	79.4	79.6	79.8	80.3
GE 1500	52.3	57.6	65.9	70.8	74.3	75.3	77.4	78.7	79.0	79.2	79.7	79.8	80.9	81.1	81.3	81.9
GE 1200	52.8	58.3	67.1	72.0	75.7	76.7	78.8	80.1	80.4	80.6	81.1	81.2	82.3	82.5	82.7	83.2
GE 1000	53.1	58.7	67.8	73.7	78.2	79.1	81.3	82.6	82.9	83.1	83.5	83.7	84.8	85.2	85.4	85.9
GE 900	53.1	58.7	68.2	74.1	78.9	79.9	82.0	83.3	83.7	83.9	84.3	84.4	85.6	85.9	86.1	86.7
GE 800	53.2	58.8	68.6	74.7	80.1	81.2	83.3	84.6	84.9	85.2	85.6	85.7	86.9	87.2	87.4	88.0
GE 700	53.2	59.0	69.1	75.1	81.4	82.5	84.6	85.9	86.2	86.5	86.9	87.0	88.2	88.5	88.7	89.2
GE 600	53.2	59.0	69.1	75.6	82.2	83.5	85.8	87.1	87.4	87.7	88.2	88.3	89.5	89.8	90.0	90.5
GE 500	53.2	59.0	69.4	75.9	82.8	84.2	86.9	88.3	88.7	89.0	89.5	89.6	90.8	91.1	91.3	91.8
GE 400	53.3	59.1	69.6	76.6	83.9	85.7	88.6	90.2	90.6	91.1	91.7	91.8	93.2	93.5	93.8	94.3
GE 300	53.3	59.1	69.6	76.6	84.6	86.1	89.6	91.5	91.9	92.4	93.0	93.1	94.5	94.9	95.3	96.0
GE 200	53.3	59.1	69.6	76.6	84.6	86.5	89.9	91.8	92.3	93.0	94.0	94.2	95.7	96.1	96.6	98.3
GE 100	53.3	59.1	69.6	76.6	84.6	86.5	90.1	92.0	92.5	93.3	94.4	94.6	96.1	96.7	97.3	99.7
GE 000	53.3	59.1	69.6	76.6	84.6	86.5	90.1	92.0	92.5	93.3	94.4	94.6	96.1	96.7	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.6	49.7	54.0	54.6	55.4	55.4	55.5	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.9	55.9
GE 20000	50.4	56.7	61.1	62.0	62.8	62.8	62.9	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.3	63.3
GE 18000	50.4	56.7	61.2	62.2	62.9	62.9	63.0	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.4	63.4
GE 16000	50.6	57.1	61.6	62.6	63.3	63.3	63.4	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.9	63.9
GE 14000	50.8	57.2	61.7	62.7	63.4	63.4	63.5	63.8	63.8	63.9	63.9	63.9	63.9	63.9	64.0	64.0
GE 12000	52.5	58.9	63.4	64.4	65.2	65.2	65.4	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.8	65.8
GE 10000	54.8	61.6	66.3	67.3	68.3	68.3	68.5	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.9	68.9
GE 9000	55.2	61.9	66.7	67.6	68.6	68.6	68.8	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.2	69.2
GE 8000	57.3	64.3	69.5	70.6	71.7	71.7	71.9	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.4	72.4
GE 7000	57.8	64.8	70.1	71.6	73.0	73.0	73.2	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.7	73.7
GE 6000	58.3	65.3	70.5	72.0	73.4	73.4	73.9	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.3	74.3
GE 5000	59.2	66.7	72.0	73.5	75.1	75.1	75.5	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.9	75.9
GE 4500	59.5	66.9	72.3	73.8	75.3	75.3	75.7	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.1	76.1
GE 4000	60.5	68.5	74.1	75.6	77.3	77.3	77.7	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.2	78.2
GE 3500	60.5	68.5	74.1	75.9	77.6	77.6	78.1	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.5	78.5
GE 3000	61.4	69.5	75.3	77.6	79.5	79.5	79.9	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.3	80.3
GE 2500	62.3	70.4	76.2	78.6	80.4	80.4	80.9	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.3	81.3
GE 2000	63.8	72.4	78.4	80.9	82.7	82.7	83.1	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.5	83.5
GE 1800	64.0	72.6	78.6	81.1	82.9	82.9	83.3	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.8	83.8
GE 1500	64.8	73.7	79.8	82.4	84.2	84.2	84.6	84.8	84.8	84.9	84.9	84.9	84.9	84.9	85.1	85.1
GE 1200	65.4	74.5	81.3	84.1	86.1	86.1	86.6	86.8	86.8	86.9	86.9	86.9	86.9	86.9	87.0	87.0
GE 1000	65.5	74.9	82.3	86.1	88.3	88.5	88.9	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.4	89.4
GE 900	65.8	75.3	82.7	86.7	88.8	89.0	89.5	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.9	89.9
GE 800	66.0	75.5	83.0	87.5	90.1	90.3	90.9	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.3	91.3
GE 700	66.0	75.5	83.4	88.1	91.9	92.3	92.8	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.3	93.3
GE 600	66.0	75.6	83.7	88.5	92.7	93.2	94.1	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.8	94.8
GE 500	66.0	75.6	83.7	88.8	93.1	93.9	95.2	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.2	96.2
GE 400	66.0	75.6	83.8	89.1	94.4	95.4	97.0	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.3	98.3
GE 300	66.0	75.6	83.8	89.1	94.4	95.6	97.3	98.2	98.5	98.7	98.8	98.8	98.8	98.8	99.0	99.0
GE 200	66.0	75.6	83.8	89.1	94.4	95.6	97.3	98.3	98.6	98.8	99.0	99.0	99.2	99.2	99.6	99.8
GE 100	66.0	75.6	83.8	89.1	94.4	95.6	97.3	98.3	98.6	98.8	99.1	99.1	99.4	99.4	99.7	100.0
GE 000	66.0	75.6	83.8	89.1	94.4	95.6	97.3	98.3	98.6	98.8	99.1	99.1	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.4	57.1	58.1	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 20000	63.0	65.2	66.1	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 18000	63.1	65.3	66.2	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 16000	63.4	65.6	66.6	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 14000	64.1	66.2	67.2	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 12000	66.3	68.5	69.5	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 10000	68.8	71.2	72.2	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 9000	69.5	71.8	72.8	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 8000	73.1	75.8	77.2	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 7000	73.1	75.8	77.2	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 6000	73.3	76.0	77.4	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 5000	74.5	77.2	78.6	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 4500	74.9	77.6	79.0	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 4000	77.2	80.2	81.7	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 3500	78.9	81.9	83.5	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 3000	81.4	84.5	86.5	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 2500	82.8	85.9	87.8	88.9	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 2000	84.2	87.5	89.8	91.1	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 1800	84.4	88.0	90.2	91.5	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 1500	84.7	88.5	90.8	92.0	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 1200	85.4	89.2	91.9	93.4	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1000	85.7	89.7	92.7	94.4	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 900	85.9	89.9	92.9	94.6	95.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 800	85.9	89.9	92.9	94.6	96.0	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 700	85.9	89.9	93.0	94.8	96.5	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 600	85.9	89.9	93.1	95.2	97.3	97.7	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 500	85.9	89.9	93.1	95.2	97.8	98.4	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	85.9	89.9	93.1	95.2	98.1	98.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	85.9	89.9	93.1	95.2	98.1	98.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	85.9	89.9	93.1	95.2	98.1	98.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	85.9	89.9	93.1	95.2	98.1	98.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	85.9	89.9	93.1	95.2	98.1	98.6	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.3	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 20000	67.2	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 18000	67.2	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 16000	67.3	69.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 14000	68.4	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 12000	70.0	71.9	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 10000	73.3	75.3	75.7	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 9000	73.7	75.6	76.0	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 8000	77.2	79.6	80.1	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 7000	77.4	79.8	80.3	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 6000	77.5	79.9	80.4	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 5000	78.4	80.8	81.3	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 4500	79.0	81.7	82.3	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 4000	80.9	83.8	84.3	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 3500	82.4	85.3	86.6	87.0	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 3000	84.3	87.3	88.6	89.0	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 2500	84.6	87.6	89.2	89.8	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 2000	86.0	89.2	91.1	91.8	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 1800	86.0	89.2	91.2	91.9	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 1500	86.5	90.2	92.3	93.0	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1200	86.6	90.3	92.7	93.7	94.4	94.6	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1000	86.8	90.8	93.1	94.2	95.2	95.5	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 900	87.0	91.0	93.3	94.7	95.7	96.0	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 800	87.0	91.0	93.3	94.9	96.2	96.6	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 700	87.1	91.1	93.5	95.3	96.6	96.9	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 600	87.2	91.2	93.7	95.5	97.0	97.3	98.1	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 500	87.2	91.2	93.7	96.0	98.1	98.4	99.1	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	87.2	91.2	93.7	96.0	98.2	98.5	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	87.2	91.2	93.7	96.0	98.2	98.5	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	87.2	91.2	93.7	96.0	98.2	98.5	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	87.2	91.2	93.7	96.0	98.2	98.5	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	87.2	91.2	93.7	96.0	98.2	98.5	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.8	60.4	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 20000	65.6	67.3	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 18000	65.6	67.3	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 16000	65.6	67.3	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 14000	66.5	68.4	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 12000	68.2	70.1	71.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 10000	71.8	74.0	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 9000	72.0	74.2	75.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 8000	76.0	78.4	79.6	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 7000	76.9	79.2	80.4	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 6000	77.1	79.5	80.6	81.1	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 5000	78.7	81.1	82.3	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 4500	79.6	82.0	83.2	83.7	83.7	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 4000	81.5	84.1	85.5	86.1	86.2	86.2	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 3500	83.1	85.7	87.3	88.1	88.3	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 3000	84.8	87.4	89.1	90.0	90.2	90.2	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 2500	85.5	88.2	90.0	90.9	91.2	91.2	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 2000	86.3	89.0	91.2	92.2	92.5	92.5	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1800	86.3	89.0	91.5	92.5	92.8	92.8	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1500	86.8	89.5	91.9	92.9	93.2	93.2	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1200	87.5	90.2	92.8	93.8	94.3	94.3	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 1000	87.6	90.3	92.9	94.2	94.9	95.2	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 900	87.7	90.4	93.1	94.4	95.2	95.4	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 800	87.8	90.5	93.4	94.9	95.8	96.0	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 700	88.1	90.8	93.7	95.2	96.0	96.2	96.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 600	88.2	90.9	93.9	95.4	96.3	96.6	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 500	88.4	91.1	94.1	96.1	97.4	98.0	98.3	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 400	88.4	91.1	94.1	96.1	97.4	98.0	98.4	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	88.4	91.1	94.1	96.2	97.5	98.1	98.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	88.4	91.1	94.1	96.2	97.5	98.1	98.5	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	88.4	91.1	94.1	96.2	97.5	98.1	98.5	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	88.4	91.1	94.1	96.2	97.5	98.1	98.5	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	66.7	67.8	68.2	69.0	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 20000	70.2	71.4	71.9	72.8	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 18000	70.4	71.6	72.2	73.0	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 16000	70.4	71.6	72.2	73.0	73.1	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 14000	71.0	72.2	72.7	73.5	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 12000	72.5	73.7	74.2	75.1	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 10000	75.5	76.7	77.5	78.4	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 9000	75.6	76.8	77.6	78.5	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 8000	78.2	79.5	80.4	81.3	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 7000	78.4	79.7	80.8	81.6	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 6000	78.9	80.2	81.3	82.2	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 5000	79.5	80.8	81.9	82.8	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 4500	80.0	81.3	82.5	83.3	83.5	83.5	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 4000	82.4	83.9	85.1	86.0	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 3500	83.2	84.7	86.0	87.1	87.5	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 3000	85.1	86.6	88.0	89.2	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 2500	85.9	87.5	89.2	90.8	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 2000	86.8	88.4	90.6	92.2	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1800	86.8	88.5	90.6	92.3	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 1500	87.2	89.0	91.3	92.8	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1200	87.5	89.6	91.9	93.4	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1000	87.6	89.8	92.4	93.9	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 900	87.7	89.9	92.5	94.0	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 800	88.0	90.1	93.0	94.5	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 700	88.1	90.2	93.1	94.9	96.3	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 600	88.2	90.3	93.3	95.5	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 500	88.9	91.1	94.1	96.2	98.3	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 400	88.9	91.1	94.1	96.2	98.5	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 300	88.9	91.1	94.1	96.2	98.6	98.6	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 200	88.9	91.1	94.1	96.2	98.7	98.7	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	88.9	91.1	94.1	96.2	98.7	98.7	99.2	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 000	88.9	91.1	94.1	96.2	98.7	98.7	99.2	99.6	99.7	99.7	99.7	99.7	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	54.6	56.9	59.0	60.0	60.7	60.8	61.0	61.2	61.3	61.4	61.4	61.4	61.5	61.6	61.6	61.7
GE 20000	60.1	62.8	65.0	66.1	66.8	66.9	67.2	67.3	67.4	67.5	67.5	67.5	67.7	67.7	67.8	67.8
GE 18000	60.2	62.8	65.1	66.1	66.9	67.0	67.2	67.4	67.5	67.6	67.6	67.6	67.7	67.8	67.8	67.9
GE 16000	60.3	62.9	65.2	66.2	67.0	67.1	67.3	67.5	67.6	67.7	67.7	67.7	67.8	67.9	68.0	68.0
GE 14000	60.7	63.4	65.7	66.7	67.4	67.6	67.8	68.0	68.1	68.1	68.2	68.2	68.3	68.4	68.4	68.5
GE 12000	62.2	64.9	67.2	68.3	69.0	69.1	69.4	69.6	69.7	69.7	69.8	69.8	69.9	70.0	70.0	70.1
GE 10000	64.7	67.6	70.0	71.2	72.0	72.1	72.5	72.7	72.8	72.8	72.9	72.9	73.0	73.1	73.1	73.2
GE 9000	64.9	67.8	70.2	71.5	72.3	72.4	72.7	72.9	73.0	73.1	73.1	73.1	73.3	73.3	73.4	73.5
GE 8000	68.0	71.2	73.7	75.1	76.0	76.1	76.4	76.6	76.7	76.8	76.9	76.9	77.0	77.1	77.1	77.2
GE 7000	68.4	71.5	74.2	75.5	76.5	76.6	76.9	77.2	77.3	77.4	77.4	77.4	77.5	77.6	77.6	77.7
GE 6000	68.8	71.9	74.5	75.9	76.8	76.9	77.3	77.6	77.6	77.7	77.8	77.8	77.9	78.0	78.1	78.1
GE 5000	69.7	72.9	75.5	76.9	77.9	78.0	78.4	78.6	78.7	78.8	78.8	78.9	79.0	79.0	79.1	79.2
GE 4500	70.2	73.5	76.1	77.5	78.5	78.6	79.0	79.3	79.3	79.4	79.5	79.5	79.6	79.7	79.8	79.8
GE 4000	72.2	75.6	78.4	80.0	81.2	81.3	81.7	81.9	82.0	82.1	82.2	82.2	82.3	82.4	82.4	82.5
GE 3500	73.0	76.5	79.5	81.1	82.3	82.4	82.9	83.1	83.2	83.3	83.3	83.3	83.5	83.5	83.6	83.7
GE 3000	74.4	77.9	81.1	82.9	84.2	84.3	84.8	85.0	85.1	85.2	85.2	85.2	85.4	85.4	85.5	85.6
GE 2500	75.1	78.7	81.9	83.8	85.1	85.2	85.7	86.0	86.0	86.1	86.2	86.2	86.3	86.4	86.5	86.5
GE 2000	76.2	80.0	83.5	85.5	86.8	87.0	87.5	87.8	87.8	87.9	88.0	88.0	88.1	88.2	88.3	88.3
GE 1800	76.3	80.1	83.7	85.7	87.1	87.3	87.8	88.1	88.1	88.2	88.3	88.3	88.4	88.5	88.5	88.6
GE 1500	76.7	80.7	84.4	86.5	87.9	88.1	88.7	88.9	89.0	89.1	89.1	89.1	89.3	89.3	89.4	89.5
GE 1200	77.2	81.3	85.3	87.5	89.1	89.3	89.9	90.2	90.2	90.3	90.4	90.4	90.5	90.6	90.7	90.7
GE 1000	77.5	81.7	86.0	88.6	90.5	90.8	91.4	91.7	91.7	91.8	91.9	91.9	92.0	92.1	92.2	92.2
GE 900	77.6	81.9	86.3	89.0	91.0	91.3	91.9	92.2	92.3	92.4	92.4	92.4	92.6	92.7	92.7	92.8
GE 800	77.7	81.9	86.6	89.4	91.7	92.0	92.7	93.1	93.1	93.2	93.3	93.3	93.5	93.5	93.6	93.7
GE 700	77.8	82.1	86.9	89.8	92.4	92.8	93.5	93.9	93.9	94.0	94.1	94.1	94.2	94.3	94.4	94.4
GE 600	77.9	82.2	87.1	90.1	93.0	93.4	94.2	94.7	94.8	94.9	95.0	95.0	95.1	95.2	95.3	95.3
GE 500	78.1	82.3	87.3	90.6	94.0	94.5	95.5	96.1	96.2	96.3	96.4	96.4	96.5	96.6	96.7	96.8
GE 400	78.1	82.3	87.4	90.8	94.6	95.3	96.4	97.1	97.3	97.4	97.5	97.5	97.7	97.8	97.9	98.0
GE 300	78.1	82.3	87.4	90.9	94.9	95.7	96.8	97.6	97.8	98.0	98.1	98.2	98.4	98.5	98.6	98.7
GE 200	78.1	82.4	87.4	90.9	94.9	95.7	97.0	97.8	98.0	98.3	98.5	98.5	98.8	98.9	99.1	99.5
GE 100	78.1	82.4	87.4	90.9	94.9	95.7	97.0	97.9	98.1	98.3	98.6	98.6	98.9	99.0	99.3	99.8
GE 000	78.1	82.4	87.4	90.9	94.9	95.7	97.0	97.9	98.1	98.3	98.6	98.6	98.9	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 00-02

CEILING		VISIBILITY IN STATUTE MILES														
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.0	60.0	61.4	62.0	62.6	62.8	63.2	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.9	64.0
GE 20000	61.1	62.3	63.9	64.6	65.3	65.6	66.0	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.7	66.8
GE 18000	61.1	62.3	63.9	64.6	65.3	65.6	66.0	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.7	66.8
GE 16000	61.2	62.4	64.0	64.7	65.4	65.7	66.1	66.4	66.4	66.4	66.6	66.6	66.6	66.6	66.8	66.9
GE 14000	61.4	62.7	64.2	64.9	65.7	65.9	66.3	66.7	66.7	66.7	66.8	66.8	66.8	66.8	67.0	67.1
GE 12000	62.9	64.1	65.7	66.3	67.1	67.3	67.8	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.4	68.6
GE 10000	64.8	66.0	67.7	68.4	69.3	69.6	70.1	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.8	70.9
GE 9000	64.9	66.2	67.9	68.7	69.6	69.8	70.3	70.7	70.7	70.7	70.8	70.8	70.8	70.8	71.0	71.1
GE 8000	66.3	67.7	69.4	70.2	71.4	71.7	72.2	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.9	73.0
GE 7000	66.8	68.1	70.1	71.0	72.2	72.4	73.0	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.7	73.8
GE 6000	67.2	68.6	70.6	71.4	72.7	72.9	73.4	73.8	73.8	73.8	73.9	73.9	73.9	73.9	74.1	74.2
GE 5000	68.3	69.9	72.0	72.9	74.1	74.3	74.9	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.6	75.7
GE 4500	69.1	70.7	72.8	73.7	74.9	75.1	75.7	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.3	76.4
GE 4000	71.9	73.7	76.0	77.0	78.3	78.6	79.1	79.4	79.4	79.4	79.6	79.6	79.6	79.6	79.8	79.9
GE 3500	73.2	75.0	77.3	78.6	80.0	80.2	80.8	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.4	81.6
GE 3000	74.8	76.7	79.1	80.3	81.9	82.1	82.7	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.3	83.4
GE 2500	75.2	77.1	79.9	81.2	82.9	83.2	83.8	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.4	84.6
GE 2000	75.7	77.8	80.7	82.2	83.9	84.2	84.8	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.4	85.6
GE 1800	76.2	78.3	81.3	83.0	84.7	85.0	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.2	86.3
GE 1500	76.6	78.7	82.2	83.9	85.7	86.0	86.6	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.2	87.3
GE 1200	77.0	79.1	82.7	84.3	86.1	86.4	87.0	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.7	87.8
GE 1000	77.4	79.8	83.3	85.0	86.9	87.2	87.8	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.4	88.6
GE 900	77.4	79.8	83.3	85.1	87.2	87.6	88.1	88.4	88.4	88.4	88.6	88.6	88.6	88.6	88.8	88.9
GE 800	77.8	80.1	83.9	85.7	88.0	88.3	88.9	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.6	89.7
GE 700	77.9	80.3	84.1	86.1	88.9	89.2	89.8	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.4	90.6
GE 600	77.9	80.4	84.7	86.9	90.1	90.7	91.3	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.2	92.3
GE 500	77.9	80.4	84.9	87.6	91.4	92.2	94.0	94.7	94.7	94.7	94.8	94.8	94.8	94.8	95.0	95.1
GE 400	78.1	80.8	85.3	88.3	92.8	93.6	95.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	97.1	97.2
GE 300	78.1	80.8	85.3	88.3	93.1	93.9	95.3	97.4	97.4	97.8	97.9	97.9	97.9	97.9	98.4	98.6
GE 200	78.1	80.8	85.3	88.3	93.1	93.9	96.3	97.4	97.4	97.9	98.0	98.0	98.3	98.3	99.0	99.3
GE 100	78.1	80.8	85.3	88.3	93.1	93.9	96.3	97.4	97.4	97.9	98.2	98.2	98.7	98.8	99.7	100.0
GE 000	78.1	80.8	85.3	88.3	93.1	93.9	96.3	97.4	97.4	97.9	98.2	98.2	98.7	98.8	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.8	53.2	54.7	55.8	56.3	56.4	56.6	56.7	56.9	56.9	58.0	58.0	58.1	58.1	58.4	59.0
GE 20000	55.3	55.8	57.3	58.7	59.3	59.6	59.9	60.0	60.2	60.2	61.3	61.3	61.4	61.4	61.8	62.3
GE 18000	55.3	55.8	57.3	58.7	59.3	59.6	59.9	60.0	60.2	60.2	61.3	61.3	61.4	61.4	61.8	62.3
GE 16000	55.3	55.8	57.3	58.7	59.3	59.6	59.9	60.0	60.2	60.2	61.3	61.3	61.4	61.4	61.8	62.3
GE 14000	55.3	55.8	57.3	58.7	59.3	59.6	59.9	60.1	60.3	60.3	61.4	61.4	61.6	61.6	61.9	62.4
GE 12000	56.7	57.1	58.7	60.0	60.7	60.9	61.2	61.4	61.7	61.7	62.8	62.8	62.9	62.9	63.2	63.8
GE 10000	58.6	59.1	61.4	62.8	63.4	63.7	64.0	64.2	64.4	64.4	65.6	65.6	65.7	65.7	66.0	66.6
GE 9000	58.7	59.2	61.8	63.1	63.8	64.0	64.3	64.6	64.8	64.8	65.9	65.9	66.0	66.0	66.3	66.9
GE 8000	60.3	60.9	63.4	64.8	65.4	66.0	66.3	66.6	66.8	66.8	67.9	67.9	68.0	68.0	68.3	68.9
GE 7000	60.6	61.1	63.7	65.0	65.9	66.4	66.8	67.0	67.2	67.2	68.3	68.3	68.4	68.4	68.8	69.3
GE 6000	60.9	61.4	64.0	65.3	66.2	66.8	67.1	67.3	67.6	67.6	68.7	68.7	68.8	68.8	69.1	69.7
GE 5000	63.0	63.6	66.1	67.4	68.3	68.9	69.2	69.4	69.7	69.7	70.8	70.8	70.9	70.9	71.2	71.8
GE 4500	63.0	63.6	66.2	67.6	68.4	69.0	69.3	69.6	69.8	69.8	70.9	70.9	71.0	71.0	71.3	71.9
GE 4000	65.2	65.8	68.6	70.1	71.1	71.7	72.0	72.2	72.4	72.4	73.6	73.6	73.7	73.7	74.0	74.6
GE 3500	65.8	66.3	69.2	70.9	72.0	72.6	73.0	73.3	73.6	73.6	74.7	74.7	74.8	74.8	75.1	75.7
GE 3000	67.3	68.0	71.1	72.9	74.0	74.6	75.1	75.4	75.7	75.7	76.8	76.8	76.9	76.9	77.2	77.8
GE 2500	67.6	68.2	71.3	73.1	74.2	74.8	75.3	75.7	75.9	75.9	77.0	77.0	77.1	77.1	77.4	78.0
GE 2000	69.3	70.1	73.6	75.7	76.9	77.4	78.0	78.3	78.6	78.6	79.7	79.7	79.8	79.8	80.1	80.7
GE 1800	69.7	70.4	73.9	76.0	77.2	77.8	78.3	78.7	78.9	78.9	80.0	80.0	80.1	80.1	8.4	81.0
GE 1500	70.3	71.1	74.7	76.9	78.2	78.8	79.3	79.7	79.9	79.9	81.0	81.0	81.1	81.1	81.4	82.0
GE 1200	71.8	72.8	76.4	78.8	80.1	80.8	81.3	81.7	81.9	82.0	83.1	83.1	83.2	83.2	83.6	84.1
GE 1000	72.3	73.4	77.6	80.2	81.6	82.2	82.9	83.2	83.4	83.6	84.7	84.7	84.8	84.8	85.1	85.7
GE 900	72.4	73.6	77.7	80.6	81.9	82.6	83.2	83.6	83.8	83.9	85.0	85.0	85.1	85.1	85.4	86.0
GE 800	72.4	73.6	77.7	80.7	82.4	83.2	83.9	84.2	84.4	84.6	85.7	85.7	85.8	85.8	86.1	86.7
GE 700	72.7	73.8	77.9	81.3	83.6	84.4	85.2	85.7	85.9	86.0	87.1	87.1	87.2	87.2	87.6	88.1
GE 600	72.7	73.8	77.9	81.4	83.7	84.6	85.3	85.8	86.0	86.1	87.2	87.2	87.3	87.3	87.7	88.2
GE 500	72.8	73.9	78.2	82.2	85.4	86.3	88.0	88.6	88.8	89.2	90.3	90.3	90.4	90.4	90.9	91.4
GE 400	72.9	74.0	78.4	83.1	87.2	88.3	90.2	91.0	91.2	91.8	92.9	92.9	93.1	93.1	93.8	94.3
GE 300	73.0	74.1	78.7	83.6	88.0	89.2	91.6	92.8	93.0	93.8	95.2	95.2	95.6	95.6	96.4	97.3
GE 200	73.0	74.1	78.7	83.6	88.0	89.2	91.6	92.9	93.1	94.2	95.8	95.8	96.3	96.3	97.4	98.6
GE 100	73.0	74.1	78.7	83.6	88.0	89.2	91.6	92.9	93.1	94.2	95.9	95.9	96.6	96.7	98.2	99.6
GE 000	73.0	74.1	78.7	83.6	88.0	89.2	91.6	92.9	93.1	94.2	95.9	95.9	96.6	96.7	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.4	42.8	47.0	49.2	51.4	51.7	52.0	52.2	52.3	52.3	52.9	52.9	53.1	53.2	53.3	53.3
GE 20000	41.6	45.1	49.9	52.4	55.0	55.2	55.9	56.3	56.4	56.6	57.2	57.2	57.7	57.8	57.9	57.9
GE 18000	41.6	45.1	49.9	52.4	55.0	55.2	55.9	56.3	56.4	56.6	57.2	57.2	57.7	57.8	57.9	57.9
GE 16000	41.6	45.1	49.9	52.4	55.0	55.2	56.0	56.4	56.6	56.7	57.3	57.3	57.8	57.9	58.0	58.0
GE 14000	41.9	45.4	50.2	52.8	55.3	55.6	56.3	56.8	56.9	57.0	57.7	57.7	58.1	58.2	58.3	58.3
GE 12000	43.0	46.6	51.3	54.0	56.6	56.8	57.6	58.0	58.1	58.2	59.0	59.0	59.4	59.6	59.8	59.8
GE 10000	44.6	48.3	53.3	56.1	58.8	59.1	59.9	60.3	60.4	60.6	61.3	61.3	61.8	61.9	62.1	62.1
GE 9000	44.8	48.6	53.7	56.8	59.4	59.8	60.6	61.0	61.1	61.2	62.0	62.0	62.4	62.6	62.8	62.8
GE 8000	46.2	50.1	55.6	58.9	61.7	62.1	63.2	63.7	63.8	63.9	64.7	64.7	65.1	65.2	65.4	65.4
GE 7000	46.7	50.7	56.2	59.6	62.3	62.8	63.9	64.3	64.4	64.6	65.3	65.3	65.8	65.9	66.1	66.1
GE 6000	47.0	51.0	56.6	59.9	62.7	63.1	64.2	64.7	64.8	64.9	65.7	65.7	66.1	66.2	66.4	66.4
GE 5000	48.6	52.6	58.6	61.9	64.8	65.2	66.6	67.0	67.1	67.2	68.0	68.0	68.4	68.6	68.8	68.8
GE 4500	49.0	53.0	59.0	62.6	65.4	65.9	67.2	67.8	67.9	68.0	68.8	68.8	69.2	69.3	69.6	69.7
GE 4000	49.4	53.4	59.6	63.4	66.7	67.1	68.6	69.2	69.3	69.8	70.6	70.6	71.0	71.1	71.3	71.6
GE 3500	50.6	54.6	61.0	65.0	68.2	68.7	70.1	70.8	70.9	71.3	72.1	72.1	72.6	72.7	72.9	73.1
GE 3000	51.6	55.6	62.0	66.1	69.4	70.0	71.6	72.2	72.3	72.9	73.7	73.7	74.1	74.2	74.4	74.7
GE 2500	52.2	56.3	62.8	67.2	70.7	71.2	72.8	73.4	73.6	74.1	74.9	74.9	75.3	75.4	75.7	75.9
GE 2000	53.6	57.8	64.2	68.9	72.7	73.2	74.8	75.4	75.6	76.2	77.0	77.0	77.4	77.6	77.8	78.0
GE 1800	53.9	58.1	64.6	69.2	73.0	73.6	75.1	75.8	75.9	76.6	77.3	77.3	77.8	77.9	78.1	78.3
GE 1500	54.4	59.0	65.4	70.2	74.1	74.7	76.2	77.0	77.1	77.8	78.6	78.6	79.0	79.1	79.3	79.6
GE 1200	55.0	59.7	66.2	71.2	75.3	75.9	77.7	78.1	78.8	79.4	80.2	80.2	80.7	80.8	81.0	81.2
GE 1000	55.7	60.3	67.3	72.6	77.1	77.8	79.9	80.9	81.0	81.7	82.4	82.4	82.9	83.0	83.2	83.4
GE 900	55.7	60.3	67.3	72.8	77.6	78.2	80.3	81.3	81.4	82.1	82.9	82.9	83.3	83.4	83.7	83.9
GE 800	55.7	60.3	67.3	72.9	77.8	78.4	80.6	81.6	81.7	82.3	83.1	83.1	83.6	83.7	83.9	84.1
GE 700	55.8	60.6	67.7	73.8	79.3	80.1	82.2	83.3	83.4	84.2	85.0	85.0	85.4	85.6	85.8	86.0
GE 600	55.8	60.7	67.9	74.3	80.3	81.2	83.3	84.6	84.7	85.4	86.2	86.2	86.7	86.8	87.0	87.2
GE 500	56.0	60.9	68.1	74.9	81.8	83.4	86.3	87.9	88.0	89.0	89.8	89.8	90.3	90.4	90.8	91.1
GE 400	56.2	61.2	68.7	75.6	82.6	84.3	87.6	89.4	89.6	90.7	91.6	91.6	92.4	92.6	93.1	93.4
GE 300	56.3	61.3	68.8	75.8	82.9	85.0	88.3	90.6	90.9	92.2	93.2	93.3	94.2	94.3	95.0	95.7
GE 200	56.3	61.3	68.8	75.8	82.9	85.1	88.4	90.7	91.1	92.8	94.2	94.3	95.7	95.9	97.0	98.1
GE 100	56.3	61.3	68.8	75.8	82.9	85.1	88.4	90.7	91.1	92.9	94.3	94.4	95.8	96.0	97.8	99.3
GE 000	56.3	61.3	68.8	75.8	82.9	85.1	88.4	90.7	91.1	92.9	94.3	94.4	95.9	96.1	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.9	44.8	48.4	50.0	50.8	51.0	51.1	51.1	51.1	51.2	51.2	51.2	51.3	51.3	51.4	51.4
GE 20000	43.3	50.2	54.6	56.8	57.6	57.9	58.0	58.1	58.1	58.2	58.3	58.3	58.4	58.4	58.6	58.6
GE 18000	43.3	50.2	54.6	56.8	57.6	57.9	58.0	58.1	58.1	58.2	58.3	58.3	58.4	58.4	58.6	58.6
GE 16000	43.4	50.3	54.7	56.9	57.7	58.0	58.1	58.2	58.2	58.3	58.4	58.4	58.6	58.6	58.7	58.7
GE 14000	43.8	50.7	55.0	57.2	58.0	58.3	58.4	58.6	58.6	58.7	58.8	58.8	59.0	59.0	59.1	59.1
GE 12000	44.6	51.7	56.3	58.7	59.4	59.8	59.9	60.0	60.0	60.1	60.2	60.2	60.4	60.4	60.6	60.6
GE 10000	46.2	53.9	58.7	61.0	61.8	62.1	62.3	62.4	6.4	62.6	62.7	62.7	62.9	62.9	63.0	63.0
GE 9000	46.2	54.0	58.8	61.3	62.1	62.4	62.7	62.8	62.8	62.9	63.0	63.0	63.2	63.2	63.3	63.3
GE 8000	48.4	56.7	61.8	64.8	65.7	66.0	66.2	66.3	66.3	66.4	66.6	66.6	66.8	66.8	66.9	66.9
GE 7000	48.8	57.0	62.2	65.3	66.2	66.6	66.8	66.9	66.9	67.0	67.1	67.1	67.3	67.3	67.4	67.4
GE 6000	49.6	57.8	63.0	66.1	67.0	67.3	67.6	67.7	67.7	67.8	67.9	67.9	68.1	68.1	68.2	68.2
GE 5000	50.9	59.3	64.8	67.9	68.8	69.1	69.3	69.4	69.4	69.6	69.7	69.7	69.9	69.9	70.0	70.0
GE 4500	51.2	59.9	65.4	68.8	69.7	70.1	70.3	70.4	70.4	70.6	70.8	70.8	71.0	71.0	71.1	71.1
GE 4000	52.6	61.4	67.4	71.2	72.3	72.8	73.0	73.1	73.1	73.2	73.4	73.4	73.7	73.7	73.8	73.8
GE 3500	53.6	62.6	68.7	72.8	74.0	74.4	74.7	74.8	74.8	74.9	75.1	75.1	75.3	75.3	75.4	75.4
GE 3000	54.2	63.4	69.9	74.0	75.3	75.9	76.1	76.2	76.2	76.3	76.6	76.6	76.8	76.8	76.9	76.9
GE 2500	55.3	64.7	71.1	75.3	76.7	77.2	77.4	77.6	77.6	77.7	77.9	77.9	78.1	78.1	78.2	78.2
GE 2000	57.1	66.4	73.0	77.3	78.9	79.4	79.7	79.8	79.8	79.9	80.1	80.1	80.3	80.3	80.4	80.4
GE 1800	57.2	66.6	73.1	77.4	79.1	79.7	79.9	80.0	80.0	80.1	80.3	80.3	80.6	80.6	80.7	80.7
GE 1500	57.6	66.9	73.6	78.0	79.8	80.4	80.7	80.8	80.8	80.9	81.1	81.1	81.3	81.3	81.4	81.4
GE 1200	58.4	68.2	75.3	79.9	81.8	82.6	82.8	82.9	82.9	83.0	83.2	83.2	83.4	83.4	83.6	83.6
GE 1000	59.1	69.1	76.6	81.3	83.3	84.1	84.3	84.4	84.4	84.7	84.9	84.9	85.1	85.1	85.2	85.2
GE 900	59.3	69.4	77.1	82.0	84.2	85.0	85.2	85.3	85.3	85.6	85.8	85.8	86.0	86.0	86.1	86.1
GE 800	59.7	69.8	78.0	83.0	85.3	86.2	86.4	86.7	86.8	87.0	87.2	87.2	87.4	87.4	87.6	87.6
GE 700	59.7	69.9	78.3	83.4	86.1	87.0	87.2	87.6	87.7	87.9	88.1	88.1	88.3	88.3	88.4	88.4
GE 600	59.8	70.1	78.9	84.7	88.3	89.4	89.8	90.1	90.2	90.4	90.7	90.7	90.9	90.9	91.0	91.0
GE 500	60.1	70.4	79.3	85.2	89.1	90.3	91.4	92.6	92.7	93.0	93.2	93.2	93.4	93.4	93.7	93.7
GE 400	60.4	71.0	80.1	86.1	90.7	91.9	93.8	95.2	95.3	95.8	96.0	96.0	96.2	96.2	96.4	96.4
GE 300	60.6	71.1	80.2	86.2	91.0	92.6	95.0	96.4	96.6	97.0	97.2	97.3	97.7	97.8	98.0	98.0
GE 200	60.6	71.1	80.2	86.2	91.0	92.7	95.1	96.6	96.7	97.3	97.9	98.0	98.7	98.9	99.4	99.7
GE 100	60.6	71.1	80.2	86.2	91.0	92.7	95.1	96.6	96.7	97.3	97.9	98.0	98.7	99.0	99.7	99.9
GE 000	60.6	71.1	80.2	86.2	91.0	92.7	95.1	96.6	96.7	97.3	97.9	98.0	98.7	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.0	49.4	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 20000	56.8	59.0	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 18000	56.8	59.0	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 16000	57.1	59.3	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 14000	57.9	60.1	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 12000	58.4	60.7	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 10000	60.8	63.0	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 9000	61.3	63.6	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 8000	64.2	66.9	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 7000	64.7	67.3	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 6000	65.3	68.0	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 5000	67.6	70.3	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 4500	68.0	70.8	71.4	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 4000	71.2	74.8	75.6	75.9	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 3500	72.3	76.2	77.2	77.6	77.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 3000	73.7	77.9	79.1	79.4	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 2500	75.2	79.7	81.1	81.6	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 2000	77.3	82.1	84.2	84.9	85.2	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 1800	78.2	83.1	85.2	86.0	86.4	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 1500	79.2	84.6	86.8	87.6	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 1200	80.7	86.0	88.7	89.9	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1000	80.7	86.3	89.3	90.7	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 900	80.8	86.4	89.4	90.9	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 800	81.3	87.0	90.0	91.6	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 700	81.6	87.2	90.8	92.3	93.9	93.9	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 600	81.8	87.4	91.6	93.2	95.6	95.7	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 500	82.0	87.7	91.9	93.7	96.8	96.9	97.4	97.8	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2
GE 400	82.1	87.8	92.2	94.1	97.3	97.6	98.2	98.3	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3
GE 300	82.1	87.8	92.2	94.1	97.4	97.7	98.3	98.9	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	82.1	87.8	92.2	94.1	97.4	97.7	98.3	98.9	99.3	99.3	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	82.1	87.8	92.2	94.1	97.4	97.7	98.3	98.9	99.3	99.3	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	82.1	87.8	92.2	94.1	97.4	97.7	98.3	98.9	99.3	99.3	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.0	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 20000	60.9	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 18000	60.9	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 16000	61.0	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 14000	61.7	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 12000	62.4	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 10000	65.1	67.0	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 9000	65.8	67.7	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 8000	70.3	72.3	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 7000	70.6	72.7	73.3	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 6000	71.1	73.2	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 5000	73.0	75.6	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 4500	74.2	77.0	77.7	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 4000	77.6	81.0	81.9	82.2	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 3500	78.6	82.0	82.9	83.2	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 3000	80.0	83.4	84.3	84.8	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 2500	81.1	84.9	86.0	86.4	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 2000	82.8	86.6	87.8	88.2	88.9	88.9	89.1	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 1800	83.1	86.9	88.1	88.6	89.3	89.3	89.6	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 1500	83.6	87.4	88.8	89.3	90.2	90.2	90.4	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 1200	84.2	88.1	89.4	90.1	91.2	91.3	91.6	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 1000	84.3	88.6	89.9	90.6	92.0	92.1	92.4	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 900	84.4	88.8	90.1	90.8	92.6	92.7	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 800	84.4	88.9	90.2	91.1	93.4	93.6	94.0	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 700	85.0	89.4	90.8	91.7	94.2	94.3	94.9	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 600	85.4	89.9	91.4	92.4	95.0	95.2	95.8	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 500	85.8	90.2	91.9	92.9	95.8	96.3	97.0	97.6	97.6	98.1	98.2	98.2	98.2	98.2	98.2	98.2
GE 400	85.8	90.2	91.9	93.0	95.9	96.7	97.6	98.4	98.4	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	85.8	90.2	91.9	93.0	96.1	96.9	97.8	98.7	98.7	99.4	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	85.8	90.2	91.9	93.0	96.1	96.9	97.8	98.7	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	85.8	90.2	91.9	93.0	96.1	96.9	97.8	98.7	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	85.8	90.2	91.9	93.0	96.1	96.9	97.8	98.7	98.7	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.8	59.3	60.3	60.3	60.6	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.8	60.8	60.8	60.8
GE 20000	64.0	64.7	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.3
GE 18000	64.0	64.7	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.3
GE 16000	64.0	64.7	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.3
GE 14000	64.4	65.1	66.3	66.3	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.8	66.8	66.8	66.8
GE 12000	65.2	65.9	67.1	67.1	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.6	67.6	67.6	67.6
GE 10000	67.8	68.7	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.6	70.6	70.6	70.7	70.7	70.7	70.7
GE 9000	68.1	69.1	70.7	70.7	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.1	71.1	71.1	71.1
GE 8000	72.0	73.4	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.6	75.6	75.6	75.6
GE 7000	72.4	73.9	75.7	75.7	75.9	75.9	75.9	75.9	75.9	76.0	76.0	76.0	76.1	76.1	76.1	76.1
GE 6000	72.8	74.2	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.4	76.4	76.4	76.4
GE 5000	74.1	75.7	77.7	77.7	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.1	78.1	78.1	78.1
GE 4500	75.0	76.6	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.9	78.9	78.9	79.0	79.0	79.0	79.0
GE 4000	78.6	80.2	82.3	82.3	82.6	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.9	82.9	82.9	82.9
GE 3500	79.0	80.7	83.0	83.2	83.4	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.8	83.8	83.8	83.8
GE 3000	80.1	81.8	84.1	84.3	84.7	84.8	84.8	84.8	84.8	84.9	84.9	84.9	85.0	85.0	85.0	85.0
GE 2500	80.9	82.7	85.4	85.7	86.0	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.3	86.3	86.3	86.3
GE 2000	82.7	84.4	87.8	88.3	88.7	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.1	89.1	89.1	89.1
GE 1800	82.7	84.4	87.9	88.4	88.8	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.2	89.2	89.2	89.2
GE 1500	82.8	84.6	88.3	89.1	89.4	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.9	89.9	89.9	89.9
GE 1200	83.6	85.3	89.2	90.2	90.8	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.2	91.2	91.2	91.2
GE 1000	83.8	85.6	89.4	90.6	91.2	91.4	91.4	91.4	91.4	91.6	91.6	91.6	91.7	91.7	91.7	91.7
GE 900	84.0	85.8	89.9	91.2	92.2	92.6	92.6	92.6	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.8
GE 800	84.0	86.1	90.3	91.7	92.8	93.1	93.1	93.1	93.1	93.2	93.2	93.2	93.3	93.3	93.3	93.3
GE 700	84.1	86.2	90.6	92.0	93.4	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.1	94.1	94.1	94.1
GE 600	84.4	86.6	91.0	92.4	94.1	94.4	94.6	94.6	94.6	95.0	95.0	95.0	95.2	95.2	95.2	95.2
GE 500	84.4	86.6	91.4	93.1	94.9	95.3	95.8	96.0	96.0	96.4	96.4	96.4	96.7	96.7	96.7	96.7
GE 400	84.4	86.6	91.4	93.1	95.1	95.6	96.7	97.4	97.4	97.9	97.9	97.9	98.2	98.2	98.2	98.2
GE 300	84.4	86.6	91.4	93.1	95.7	96.1	97.4	98.4	98.4	98.9	99.0	99.0	99.3	99.3	99.3	99.3
GE 200	84.4	86.6	91.4	93.1	95.7	96.1	97.8	98.8	98.8	99.2	99.4	99.4	99.8	99.8	99.8	99.8
GE 100	84.4	86.6	91.4	93.1	95.7	96.1	97.8	98.8	98.8	99.2	99.4	99.4	99.8	99.8	99.9	99.9
GE 000	84.4	86.6	91.4	93.1	95.7	96.1	97.8	98.8	98.8	99.2	99.4	99.4	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: 21-23

CEILING	VISIBILITY IN STATUTE MILES																	FEET
IN	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	
7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0			
NO CEIL	60.7	61.1	62.0	62.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	
GE 20000	63.8	64.2	65.3	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	
GE 18000	63.8	64.2	65.3	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	
GE 16000	64.0	64.4	65.6	66.2	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	
GE 14000	64.2	64.7	65.8	66.4	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	
GE 12000	65.3	65.9	67.0	67.7	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	
GE 10000	67.7	68.4	69.8	70.4	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	
GE 9000	67.8	68.6	69.9	70.6	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	1.2
GE 8000	69.3	70.2	71.7	72.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 7000	69.6	70.4	71.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 6000	70.4	71.3	72.8	73.9	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 5000	72.7	73.8	75.6	76.7	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 4500	72.7	73.8	75.6	76.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 4000	76.6	78.0	79.8	81.0	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 3500	77.3	78.8	80.7	81.9	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 3000	78.1	79.6	81.8	83.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 2500	78.6	80.0	82.2	83.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 2000	80.3	81.8	84.1	85.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 1800	80.4	81.9	84.3	85.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 1500	81.1	82.7	85.1	86.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 1200	81.9	83.4	85.9	87.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 1000	82.4	84.0	86.4	88.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 900	82.6	84.1	86.8	88.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 800	82.8	84.3	87.0	89.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 700	82.9	84.4	87.2	89.6	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 600	83.1	84.8	88.0	90.9	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 500	83.2	84.9	88.3	91.4	93.9	94.0	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 400	83.2	84.9	88.3	91.6	94.8	95.1	96.9	97.4	97.4	97.6	97.6	97.8	97.8	97.9	97.9	97.9	97.9	98.1
GE 300	83.2	84.9	88.3	91.6	94.9	95.3	97.6	98.1	98.1	98.2	98.4	98.4	98.4	98.7	98.7	98.7	98.7	99.0
GE 200	83.2	84.9	88.3	91.6	94.9	95.3	97.6	98.1	98.1	98.2	98.6	98.6	98.6	98.8	98.8	98.8	98.9	99.2
GE 100	83.2	84.9	88.3	91.6	94.9	95.3	97.6	98.1	98.1	98.2	98.6	98.6	98.6	98.9	98.9	99.0	99.0	99.6
GE 000	83.2	84.9	88.3	91.6	94.9	95.3	97.6	98.1	98.1	98.2	98.6	98.6	98.6	98.9	98.9	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE-NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF FADING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: ALL

CEILING	VISIBILITY IN STATUTE MILES															
IN FEET	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.2	52.9	54.6	55.3	55.9	56.0	56.2	56.3	56.3	56.3	56.5	56.5	56.6	56.6	56.7	56.8
GE 20000	55.8	57.9	59.8	60.8	61.5	61.6	61.8	61.9	62.0	62.0	62.3	62.3	62.4	62.4	62.5	62.6
GE 18000	55.8	57.9	59.8	60.8	61.5	61.6	61.8	61.9	62.0	62.0	62.3	62.3	62.4	62.4	62.5	62.6
GE 16000	56.0	58.0	60.0	60.9	61.6	61.7	61.9	62.1	62.1	62.2	62.4	62.4	62.5	62.5	62.6	62.7
GE 14000	56.3	58.4	60.3	61.3	62.0	62.1	62.3	62.5	62.5	62.5	62.8	62.8	62.9	62.9	63.0	63.1
GE 12000	57.3	59.5	61.4	62.4	63.1	63.2	63.4	63.6	63.6	63.7	63.9	63.9	64.0	64.1	64.2	64.3
GE 10000	59.4	61.8	64.0	65.0	65.8	65.9	66.1	66.3	66.3	66.3	66.6	66.6	66.7	66.7	66.8	66.9
GE 9000	59.7	62.1	64.3	65.4	66.2	66.3	66.5	66.7	66.7	66.8	67.0	67.0	67.1	67.2	67.3	67.3
GE 8000	62.2	64.8	67.2	68.4	69.2	69.4	69.7	69.8	69.9	69.9	70.2	70.2	70.3	70.3	70.4	70.5
GE 7000	62.5	65.2	67.6	68.9	69.8	69.9	70.2	70.4	70.4	70.4	70.7	70.7	70.8	70.8	70.9	71.0
GE 6000	63.0	65.7	68.2	69.5	70.3	70.5	70.8	70.9	71.0	71.0	71.3	71.3	71.4	71.4	71.5	71.6
GE 5000	64.8	67.6	70.2	71.5	72.4	72.6	72.9	73.0	73.1	73.1	73.4	73.4	73.5	73.5	73.6	73.7
GE 4500	65.3	68.2	70.8	72.2	73.1	73.3	73.6	73.8	73.8	73.8	74.1	74.1	74.2	74.2	74.3	74.4
GE 4000	67.9	71.0	73.9	75.4	76.4	76.7	77.0	77.2	77.2	77.3	77.6	77.6	77.7	77.7	77.8	77.9
GE 3500	68.8	72.0	75.0	76.6	77.7	77.9	78.3	78.5	78.5	78.6	78.9	78.9	79.0	79.0	79.1	79.2
GE 3000	70.0	73.3	76.4	78.1	79.3	79.5	79.9	80.1	80.1	80.2	80.5	80.5	80.6	80.6	80.7	80.8
GE 2500	70.8	74.2	77.5	79.3	80.4	80.7	81.1	81.3	81.3	81.4	81.7	81.7	81.8	81.8	81.9	82.0
GE 2000	72.3	75.9	79.4	81.4	82.7	83.0	83.4	83.6	83.6	83.8	84.0	84.0	84.1	84.2	84.3	84.4
GE 1800	72.7	76.2	79.8	81.8	83.2	83.4	83.8	84.0	84.1	84.2	84.5	84.5	84.6	84.6	84.7	84.8
GE 1500	73.2	76.9	80.6	82.7	84.2	84.5	84.9	85.1	85.1	85.3	85.5	85.5	85.7	85.7	85.8	85.9
GE 1200	74.1	77.8	81.7	84.0	85.6	86.0	86.4	86.7	86.7	86.8	87.1	87.1	87.2	87.2	87.3	87.5
GE 1000	74.5	78.4	82.5	84.9	86.7	87.0	87.5	87.8	87.8	88.0	88.3	88.3	88.4	88.4	88.5	88.6
GE 900	74.6	78.5	82.7	85.3	87.2	87.6	88.1	88.3	88.4	88.5	88.8	88.8	88.9	88.9	89.0	89.2
GE 800	74.8	78.8	83.1	85.7	87.9	88.3	88.8	89.1	89.1	89.3	89.6	89.6	89.7	89.7	89.8	89.9
GE 700	74.9	79.0	83.4	86.3	88.8	89.3	89.8	90.2	90.3	90.5	90.7	90.7	90.8	90.9	91.0	91.1
GE 600	75.1	79.2	83.9	87.0	90.0	90.6	91.2	91.6	91.7	91.9	92.2	92.2	92.3	92.3	92.4	92.5
GE 500	75.3	79.4	84.3	87.6	91.1	91.9	93.1	93.8	93.8	94.2	94.5	94.5	94.6	94.7	94.8	94.9
GE 400	75.4	79.6	84.6	88.1	92.0	92.9	94.5	95.5	95.6	96.0	96.4	96.4	96.6	96.6	96.9	97.0
GE 300	75.4	79.6	84.6	88.2	92.4	93.3	95.3	96.4	96.6	97.1	97.6	97.6	97.8	97.9	98.2	98.4
GE 200	75.4	79.6	84.6	88.2	92.4	93.4	95.4	96.5	96.7	97.3	98.0	98.0	98.4	98.5	98.9	99.3
GE 100	75.4	79.6	84.6	88.2	92.4	93.4	95.4	96.5	96.7	97.3	98.0	98.1	98.5	98.6	99.3	99.8
GE 000	75.4	79.6	84.6	88.2	92.4	93.4	95.4	96.5	96.7	97.3	98.0	98.1	98.5	98.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB-SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.8	59.1	60.1	60.5	60.8	60.9	60.9	60.9	60.9	61.0	61.1	61.2	61.5	61.5	61.7	61.7
GE 20000	61.9	62.3	63.3	64.0	64.2	64.3	64.3	64.3	64.3	64.4	64.6	64.7	65.1	65.2	65.6	65.6
GE 18000	61.9	62.3	63.3	64.0	64.2	64.3	64.3	64.3	64.3	64.4	64.6	64.7	65.1	65.2	65.6	65.6
GE 16000	61.9	62.3	63.3	64.0	64.2	64.3	64.3	64.3	64.3	64.4	64.6	64.7	65.1	65.2	65.6	65.6
GE 14000	62.3	62.6	63.7	64.3	64.5	64.6	64.6	64.6	64.6	64.7	64.9	65.1	65.4	65.5	65.9	65.9
GE 12000	62.8	63.1	64.2	64.8	65.1	65.2	65.2	65.2	65.2	65.3	65.5	65.6	65.9	66.0	66.5	66.5
GE 10000	64.4	64.8	65.9	66.7	66.9	67.0	67.0	67.0	67.0	67.1	67.3	67.4	67.7	67.8	68.3	68.3
GE 9000	65.1	65.5	66.6	67.3	67.5	67.6	67.6	67.6	67.6	67.7	68.0	68.1	68.4	68.5	68.9	68.9
GE 8000	67.4	68.0	69.0	69.8	70.0	70.1	70.1	70.1	70.1	70.2	70.4	70.5	70.9	71.0	71.4	71.4
GE 7000	67.6	68.2	69.2	70.0	70.2	70.3	70.3	70.3	70.3	70.4	70.6	70.8	71.1	71.2	71.6	71.6
GE 6000	68.7	69.4	70.8	71.5	71.8	72.0	72.0	72.0	72.0	72.2	72.4	72.5	72.8	72.9	73.3	73.3
GE 5000	70.8	71.4	73.0	74.1	74.4	74.6	74.6	74.6	74.6	74.7	74.9	75.1	75.4	75.5	75.9	75.9
GE 4500	72.0	72.7	74.3	75.4	75.7	75.9	75.9	75.9	75.9	76.0	76.2	76.3	76.7	76.8	77.2	77.2
GE 4000	74.0	74.7	76.3	77.4	78.0	78.2	78.2	78.2	78.2	78.3	78.5	78.6	78.9	79.0	79.5	79.5
GE 3500	75.4	76.1	77.7	78.8	79.6	79.8	79.8	79.8	79.8	79.9	80.1	80.2	80.5	80.6	81.1	81.1
GE 3000	76.9	77.6	79.2	80.3	81.1	81.3	81.3	81.3	81.3	81.4	81.6	81.7	82.0	82.2	82.6	82.6
GE 2500	77.5	78.4	80.0	81.3	82.0	82.3	82.3	82.3	82.3	82.4	82.6	82.7	83.0	83.1	83.5	83.5
GE 2000	78.3	79.2	80.9	82.4	83.1	83.4	83.4	83.4	83.4	83.5	83.8	83.9	84.2	84.3	84.7	84.7
GE 1800	78.4	79.4	81.0	82.5	83.2	83.5	83.5	83.5	83.5	83.7	83.9	84.0	84.3	84.4	84.8	84.8
GE 1500	78.7	79.7	81.3	82.8	83.5	83.9	84.0	84.0	84.0	84.1	84.3	84.4	84.7	84.8	85.3	85.3
GE 1200	79.5	80.5	82.3	84.0	84.7	85.1	85.2	85.2	85.2	85.3	85.5	85.6	85.9	86.0	86.5	86.5
GE 1000	81.2	82.5	84.5	86.3	87.3	87.7	87.8	87.8	87.8	88.0	88.2	88.3	88.6	88.7	89.1	89.1
GE 900	81.6	82.9	85.2	87.0	88.0	88.4	88.5	88.5	88.5	88.6	88.8	88.9	89.2	89.4	89.8	89.8
GE 800	82.2	83.4	85.9	87.8	89.0	89.5	89.6	89.6	89.6	89.7	89.9	90.0	90.3	90.4	90.9	90.9
GE 700	82.4	83.9	86.6	88.5	89.8	90.2	90.3	90.3	90.3	90.4	90.8	90.9	91.2	91.3	91.7	91.7
GE 600	82.4	83.9	86.9	89.1	90.6	91.2	91.6	91.6	91.6	91.7	92.2	92.3	92.6	92.7	93.1	93.1
GE 500	82.5	84.1	87.4	90.0	91.8	92.4	92.9	92.9	92.9	93.0	93.4	93.5	93.9	94.0	94.4	94.4
GE 400	82.5	84.1	87.4	90.0	92.4	93.1	94.2	94.5	94.5	94.7	95.3	95.4	95.7	95.8	96.2	96.2
GE 300	82.5	84.1	87.5	90.2	92.8	93.8	94.9	95.3	95.3	95.9	96.7	96.8	97.2	97.3	98.1	98.2
GE 200	82.5	84.1	87.5	90.2	93.2	94.2	95.4	95.7	95.7	96.5	97.2	97.3	97.7	97.7	98.0	99.2
GE 100	82.5	84.1	87.5	90.2	93.2	94.2	95.4	95.7	95.7	96.5	97.2	97.3	97.7	98.0	99.2	99.5
GE 000	82.5	84.1	87.5	90.2	93.2	94.2	95.4	95.7	95.7	96.5	97.2	97.3	97.8	98.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	54.6	55.5	56.5	57.4	58.3	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.9	59.0	59.4
GE 20000	56.7	57.5	58.5	59.7	60.5	60.6	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.3	61.5	61.8
GE 18000	56.7	57.5	58.5	59.7	60.5	60.6	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.3	61.5	61.8
GE 16000	56.7	57.5	58.5	59.7	60.5	60.6	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.3	61.5	61.8
GE 14000	56.9	57.7	58.7	59.9	60.8	60.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.5	61.7	62.0
GE 12000	57.5	58.4	59.4	60.5	61.4	61.5	61.6	61.8	61.8	61.8	61.9	61.9	61.9	62.3	62.5	62.8
GE 10000	59.6	60.4	61.4	62.7	63.7	63.8	63.9	64.1	64.1	64.1	64.2	64.2	64.2	64.5	64.7	65.1
GE 9000	60.4	61.3	62.3	63.5	64.5	64.6	64.7	64.9	64.9	64.9	65.1	65.1	65.1	65.4	65.6	65.9
GE 8000	62.3	63.2	64.2	65.5	66.5	66.6	66.7	66.9	66.9	66.9	67.0	67.0	67.0	67.3	67.5	67.8
GE 7000	62.7	63.7	64.7	66.0	67.0	67.1	67.2	67.4	67.4	67.4	67.5	67.5	67.5	67.8	68.1	68.4
GE 6000	63.3	64.3	65.5	66.9	68.0	68.1	68.2	68.4	68.4	68.4	68.5	68.5	68.5	68.8	69.0	69.4
GE 5000	66.7	67.8	69.1	70.6	71.8	71.9	72.0	72.3	72.3	72.3	72.4	72.4	72.4	72.7	72.9	73.2
GE 4500	67.7	68.9	70.2	71.8	73.0	73.1	73.2	73.4	73.4	73.4	73.5	73.5	73.5	73.9	74.1	74.4
GE 4000	70.6	71.9	73.3	74.9	76.1	76.2	76.3	76.6	76.6	76.7	76.8	76.8	76.8	77.1	77.3	77.6
GE 3500	71.8	73.2	74.6	76.2	77.4	77.5	77.6	77.8	77.8	78.1	78.2	78.2	78.2	78.5	78.7	79.0
GE 3000	72.6	74.0	75.4	77.0	78.2	78.3	78.4	78.6	78.6	78.8	78.9	78.9	78.9	79.2	79.5	79.8
GE 2500	73.1	74.5	75.9	77.5	78.8	78.9	79.0	79.2	79.2	79.5	79.6	79.6	79.6	79.9	80.1	80.4
GE 2000	73.5	74.9	76.7	78.3	79.8	79.9	80.0	80.2	80.2	80.4	80.5	80.5	80.5	80.9	81.1	81.4
GE 1800	73.7	75.1	76.8	78.4	79.9	80.0	80.2	80.5	80.5	80.8	80.9	80.9	80.9	81.2	81.4	81.7
GE 1500	74.0	75.4	77.2	78.8	80.5	80.8	81.0	81.3	81.3	81.5	81.6	81.6	81.6	81.9	82.2	82.5
GE 1200	75.3	76.8	78.8	80.4	82.3	82.5	82.7	83.0	83.0	83.2	83.3	83.3	83.3	83.7	83.9	84.2
GE 1000	76.3	77.8	80.0	81.9	84.0	84.2	84.4	84.8	84.8	85.1	85.2	85.2	85.2	85.5	85.7	86.0
GE 900	76.8	78.3	80.5	82.5	84.5	84.8	85.1	85.5	85.5	85.7	85.8	85.8	85.8	86.1	86.3	86.7
GE 800	77.0	78.5	81.1	83.0	85.1	85.6	85.8	86.2	86.2	86.5	86.6	86.6	86.6	86.9	87.1	87.4
GE 700	77.6	79.2	81.8	83.8	86.2	86.9	87.2	87.6	87.6	87.8	88.0	88.0	88.0	88.3	88.5	88.8
GE 600	77.7	79.4	81.9	83.9	86.7	87.4	87.8	88.4	88.5	88.7	88.8	88.8	88.8	89.1	89.5	89.8
GE 500	77.8	79.5	82.4	84.4	87.8	88.8	89.6	90.3	90.4	90.6	90.8	90.8	90.8	91.1	91.4	91.7
GE 400	77.8	79.5	82.4	84.4	88.4	89.7	91.1	91.8	91.9	92.2	92.6	92.6	92.6	92.9	93.3	93.8
GE 300	77.8	79.5	82.4	84.4	88.5	89.8	91.4	92.6	92.7	93.2	93.8	93.9	93.9	94.2	94.9	95.4
GE 200	77.8	79.5	82.4	84.4	88.7	90.3	92.3	93.4	93.5	94.3	94.8	95.2	95.3	95.6	96.8	97.4
GE 100	77.8	79.5	82.4	84.4	88.7	90.3	92.3	93.4	93.5	94.3	94.8	95.2	95.4	95.7	97.1	98.1
GE 000	77.8	79.5	82.4	84.4	88.7	90.3	92.3	93.4	93.5	94.3	94.8	95.2	95.5	95.8	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.2	48.7	51.0	51.9	52.9	53.1	53.1	53.3	53.4	53.7	54.2	54.2	54.4	54.4	54.5	54.6
GE 20000	49.0	51.5	54.1	55.1	56.0	56.3	56.3	56.7	56.8	57.2	57.8	57.8	58.3	58.3	58.4	58.5
GE 18000	49.0	51.5	54.1	55.1	56.0	56.3	56.3	56.7	56.8	57.2	57.8	57.8	58.3	58.3	58.4	58.5
GE 16000	49.0	51.5	54.1	55.1	56.0	56.3	56.3	56.7	56.8	57.2	57.8	57.8	58.3	58.3	58.4	58.5
GE 14000	49.0	51.5	54.1	55.1	56.0	56.3	56.3	56.7	56.8	57.2	57.8	57.8	58.3	58.3	58.4	58.5
GE 12000	49.7	52.2	54.9	55.9	57.0	57.3	57.3	57.6	57.7	58.3	58.9	59.0	59.5	59.5	59.6	59.8
GE 10000	51.2	53.7	56.8	58.0	59.0	59.4	59.4	59.7	59.8	60.3	61.1	61.2	61.6	61.6	61.7	61.9
GE 9000	51.2	53.8	56.9	58.1	59.1	59.5	59.5	59.8	59.9	60.4	61.2	61.3	61.7	61.7	61.8	62.0
GE 8000	53.7	56.3	59.6	60.9	61.9	62.4	62.5	62.8	62.9	63.4	64.3	64.4	64.8	64.8	64.9	65.3
GE 7000	55.5	58.3	61.6	62.9	64.1	64.5	64.6	64.9	65.1	65.6	66.5	66.6	67.0	67.0	67.1	67.4
GE 6000	56.5	59.2	62.6	63.9	65.1	65.5	65.6	65.9	66.0	66.6	67.4	67.5	68.0	68.0	68.1	68.4
GE 5000	59.0	61.8	65.2	66.7	68.3	68.8	69.0	69.4	69.5	70.0	70.9	71.0	71.4	71.4	71.5	71.8
GE 4500	59.2	62.0	65.4	67.0	68.8	69.4	69.6	69.9	70.0	70.5	71.4	71.5	71.9	71.9	72.0	72.4
GE 4000	61.3	64.4	67.8	69.5	71.3	71.9	72.2	72.5	72.6	73.1	74.0	74.1	74.5	74.5	74.6	74.9
GE 3500	62.4	65.5	68.9	70.5	72.5	73.1	73.3	73.8	73.9	74.4	75.3	75.4	75.8	75.8	75.9	76.2
GE 3000	63.9	67.1	70.8	72.4	74.3	74.9	75.2	75.6	75.7	76.2	77.1	77.2	77.6	77.6	77.7	78.1
GE 2500	64.3	67.5	71.3	72.9	74.8	75.5	75.7	76.2	76.3	76.9	77.7	77.8	78.3	78.3	78.4	78.7
GE 2000	65.6	68.9	72.9	74.5	76.6	77.2	77.4	78.0	78.1	78.6	79.5	79.6	80.0	80.0	80.1	80.4
GE 1800	65.6	68.9	72.9	74.5	76.6	77.2	77.4	78.0	78.1	78.6	79.5	79.6	80.0	80.0	80.1	80.4
GE 1500	65.7	69.2	73.2	74.8	76.9	77.5	77.7	78.3	78.4	78.9	79.8	79.9	80.3	80.3	80.4	80.8
GE 1200	67.0	70.6	75.2	77.0	79.2	79.9	80.3	80.9	81.0	81.5	82.4	82.5	82.9	82.9	83.0	83.3
GE 1000	67.2	71.0	75.6	77.5	79.9	80.5	81.0	81.5	81.6	82.2	83.0	83.1	83.5	83.5	83.7	84.0
GE 900	67.4	71.2	75.9	78.1	80.4	81.3	81.7	82.3	82.4	82.9	83.8	83.9	84.3	84.3	84.4	84.7
GE 800	68.1	71.9	76.9	79.1	81.7	82.6	83.1	83.7	83.8	84.3	85.2	85.3	85.7	85.7	85.8	86.1
GE 700	68.2	72.0	77.1	79.5	82.2	83.0	83.5	84.1	84.2	84.7	85.6	85.7	86.1	86.1	86.2	86.6
GE 600	68.5	72.4	77.5	80.0	83.2	84.1	84.6	85.2	85.3	85.8	86.7	86.8	87.2	87.2	87.3	87.6
GE 500	68.5	72.4	77.6	80.2	84.1	85.2	85.9	86.6	86.7	87.2	88.2	88.3	88.7	88.7	88.8	89.1
GE 400	68.5	72.5	77.8	80.4	85.1	86.5	87.7	88.7	88.8	89.6	90.6	90.8	91.3	91.3	91.6	92.0
GE 300	68.5	72.5	77.8	80.6	85.3	86.7	88.4	90.1	90.2	91.1	92.3	92.4	92.9	92.9	93.2	94.2
GE 200	68.5	72.5	77.8	80.6	85.3	86.8	88.9	90.6	90.8	91.6	93.2	93.3	94.3	94.3	95.5	96.9
GE 100	68.5	72.5	77.8	80.6	85.3	86.8	88.9	90.6	90.8	91.6	93.3	93.4	94.7	94.8	96.7	98.5
GE 000	68.5	72.5	77.8	80.6	85.3	86.8	88.9	90.6	90.8	91.6	93.3	93.4	94.7	94.8	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.3	46.3	49.8	50.8	51.4	51.4	51.8	51.8	51.8	51.9	51.9	51.9	52.0	52.0	52.0	52.0
GE 20000	46.6	51.3	55.3	56.3	57.0	57.0	57.5	57.5	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7
GE 18000	46.6	51.3	55.3	56.3	57.0	57.0	57.5	57.5	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7
GE 16000	46.7	51.4	55.4	56.5	57.1	57.1	57.6	57.6	57.6	57.7	57.7	57.7	57.8	57.8	57.8	57.8
GE 14000	47.0	51.7	55.7	56.8	57.4	57.4	58.0	58.0	58.0	58.1	58.1	58.1	58.2	58.2	58.2	58.2
GE 12000	48.5	53.5	57.6	58.7	59.4	59.4	59.9	59.9	60.0	60.1	60.1	60.1	60.2	60.2	60.2	60.2
GE 10000	51.0	56.0	60.3	61.5	62.2	62.2	62.7	62.8	62.9	63.0	63.1	63.1	63.2	63.2	63.2	63.2
GE 9000	51.3	56.3	60.6	61.8	62.5	62.5	63.0	63.1	63.2	63.3	63.4	63.4	63.5	63.5	63.5	63.5
GE 8000	53.0	58.4	63.1	64.4	65.1	65.1	65.6	65.7	65.8	65.9	66.0	66.0	66.1	66.1	66.1	66.1
GE 7000	54.2	59.6	64.3	65.6	66.5	66.5	67.0	67.2	67.3	67.4	67.5	67.5	67.6	67.6	67.6	67.6
GE 6000	54.4	59.8	64.8	66.1	67.1	67.1	67.7	68.1	68.2	68.3	68.4	68.4	68.5	68.5	68.5	68.5
GE 5000	56.3	61.8	67.2	68.6	69.7	69.7	70.3	70.6	70.8	70.9	71.0	71.0	71.1	71.1	71.1	71.1
GE 4500	57.3	62.9	68.4	69.8	70.9	70.9	71.5	71.8	71.9	72.0	72.2	72.2	72.3	72.3	72.3	72.3
GE 4000	59.0	65.1	70.5	72.0	73.2	73.2	73.9	74.2	74.3	74.4	74.5	74.5	74.6	74.6	74.6	74.6
GE 3500	59.8	65.8	71.4	72.9	74.5	74.5	75.2	75.5	75.6	75.7	75.8	75.8	75.9	75.9	75.9	75.9
GE 3000	60.5	66.8	72.5	74.1	75.7	75.8	76.6	76.9	77.0	77.1	77.2	77.2	77.3	77.3	77.3	77.3
GE 2500	60.9	67.1	72.9	74.7	76.5	76.6	77.4	77.7	77.8	78.0	78.1	78.1	78.2	78.2	78.2	78.2
GE 2000	62.4	68.7	74.8	77.0	79.1	79.2	80.2	80.8	80.9	81.0	81.1	81.1	81.2	81.2	81.2	81.2
GE 1800	62.7	69.0	75.2	77.3	79.5	79.6	80.5	81.1	81.2	81.3	81.4	81.4	81.5	81.5	81.5	81.5
GE 1500	63.5	69.9	76.1	78.3	80.5	80.6	81.7	82.3	82.4	82.5	82.6	82.6	82.7	82.7	82.7	82.7
GE 1200	64.4	71.1	77.5	79.8	82.2	82.3	83.3	84.0	84.1	84.2	84.3	84.3	84.4	84.4	84.4	84.4
GE 1000	64.7	71.4	78.1	80.3	82.8	82.9	84.2	84.8	84.9	85.1	85.2	85.2	85.3	85.3	85.3	85.3
GE 900	64.7	71.5	78.2	80.8	83.3	83.4	84.8	85.5	85.6	85.7	85.8	85.8	85.9	85.9	85.9	85.9
GE 800	64.8	71.6	78.3	81.2	83.9	84.0	85.4	86.1	86.3	86.5	86.6	86.6	86.7	86.7	86.7	86.7
GE 700	64.8	72.3	79.0	82.0	84.9	85.1	86.5	87.2	87.4	87.5	87.6	87.6	87.7	87.7	87.7	87.7
GE 600	65.3	72.7	79.9	82.9	86.5	86.7	88.2	89.1	89.4	89.5	89.6	89.6	89.7	89.7	89.7	89.7
GE 500	65.3	72.8	80.2	83.5	88.0	88.2	90.1	91.2	91.4	91.5	91.6	91.6	91.8	91.8	91.8	91.8
GE 400	65.3	72.9	80.3	84.0	89.2	90.0	92.4	94.0	94.2	95.1	95.2	95.2	95.4	95.4	95.5	95.6
GE 300	65.3	72.9	80.3	84.0	89.7	90.4	93.1	95.1	95.5	96.9	97.0	97.0	97.3	97.3	97.4	97.8
GE 200	65.3	72.9	80.3	84.0	89.7	90.4	93.1	95.2	95.6	97.0	97.4	97.5	98.0	98.0	98.3	99.2
GE 100	65.3	72.9	80.3	84.0	89.8	90.5	93.2	95.3	95.7	97.1	97.5	97.6	98.2	98.2	98.7	99.8
GE 000	65.3	72.9	80.3	84.0	89.8	90.5	93.2	95.3	95.7	97.1	97.5	97.6	98.2	98.2	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.3	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 20000	58.4	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 18000	58.6	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 16000	58.6	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 14000	59.5	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 12000	60.3	61.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 10000	62.7	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 9000	62.8	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 8000	65.8	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 7000	67.3	69.0	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 6000	67.5	69.2	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 5000	70.0	71.7	72.6	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 4500	70.5	72.3	73.1	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 4000	73.0	74.7	75.7	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 3500	74.7	76.5	77.4	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 3000	75.6	77.4	78.4	78.8	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 2500	77.1	78.9	80.0	80.4	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 2000	78.8	81.1	82.3	83.1	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 1800	78.9	81.2	82.4	83.2	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 1500	80.2	82.6	84.2	85.2	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 1200	81.4	84.0	86.0	87.5	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 1000	81.6	84.2	86.5	88.2	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 900	82.0	84.7	87.0	88.7	89.9	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 800	82.0	84.8	87.1	89.1	90.4	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 700	82.0	85.2	87.4	89.9	91.4	91.6	91.9	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 600	82.0	85.2	87.7	90.2	91.9	92.3	92.8	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 500	82.0	85.3	88.1	90.9	93.3	93.9	94.6	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 400	82.3	85.6	88.5	91.3	94.3	95.1	96.5	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 300	82.3	85.6	88.7	91.5	94.5	95.3	97.0	98.1	98.3	98.5	98.8	98.8	98.8	98.8	98.8	98.9
GE 200	82.3	85.6	88.7	91.5	94.5	95.3	97.0	98.2	98.6	99.0	99.5	99.5	99.5	99.6	99.6	99.8
GE 100	82.3	85.6	88.7	91.5	94.5	95.3	97.0	98.2	98.6	99.0	99.5	99.5	99.5	99.6	99.8	100.0
GE 000	82.3	85.6	88.7	91.5	94.5	95.3	97.0	98.2	98.6	99.0	99.5	99.5	99.5	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 20000	60.2	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 18000	60.4	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 16000	60.5	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 14000	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 12000	62.4	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 10000	65.3	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 9000	65.6	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 8000	69.1	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 7000	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 6000	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 5000	73.0	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 4500	73.8	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 4000	76.7	77.3	77.7	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 3500	78.7	79.6	80.1	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 3000	80.6	81.5	82.2	82.5	82.5	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 2500	81.7	82.7	83.4	84.1	84.2	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 2000	82.9	84.3	85.4	86.1	86.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 1800	83.2	84.6	85.8	86.6	86.8	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 1500	83.8	85.3	86.7	87.7	88.2	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 1200	84.8	86.5	88.4	89.9	90.5	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1000	85.1	86.7	88.6	90.3	91.0	91.3	91.7	91.7	91.7	91.7	91.8	91.8	91.9	91.9	91.9	91.9
GE 900	85.4	87.2	89.5	91.2	91.8	92.2	92.7	92.7	92.7	92.7	92.8	92.8	92.9	92.9	92.9	92.9
GE 800	85.4	87.2	89.6	91.5	92.2	92.5	93.0	93.0	93.0	93.0	93.1	93.1	93.2	93.2	93.2	93.2
GE 700	85.4	87.2	89.7	91.7	92.8	93.1	93.7	93.7	93.7	93.7	93.8	93.8	93.9	93.9	93.9	93.9
GE 600	85.5	87.4	89.9	92.3	94.0	94.4	95.2	95.2	95.2	95.3	95.4	95.4	95.5	95.5	95.5	95.5
GE 500	85.5	87.6	90.5	93.0	95.2	95.6	96.6	96.9	96.9	97.0	97.3	97.3	97.4	97.4	97.4	97.4
GE 400	85.6	87.7	90.6	93.2	95.8	96.5	97.4	98.0	98.1	98.5	98.8	98.8	98.9	98.9	98.9	98.9
GE 300	85.6	87.7	90.6	93.2	96.0	96.7	97.7	98.3	98.5	99.0	99.6	99.6	99.8	99.8	99.8	99.8
GE 200	85.6	87.7	90.6	93.2	96.0	96.7	97.7	98.3	98.5	99.0	99.6	99.6	99.8	99.8	99.8	99.8
GE 100	85.6	87.7	90.6	93.2	96.0	96.7	97.7	98.3	98.5	99.0	99.6	99.6	99.9	99.9	99.9	100.0
GE 000	85.6	87.7	90.6	93.2	96.0	96.7	97.7	98.3	98.5	99.0	99.6	99.6	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.2	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 20000	62.5	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 18000	62.5	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 16000	62.5	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 14000	63.2	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 12000	64.4	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 10000	67.1	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7
GE 9000	67.3	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.0	68.0
GE 8000	71.3	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9
GE 7000	72.5	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1	73.1
GE 6000	73.1	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.8	73.8
GE 5000	74.0	74.5	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.1
GE 4500	74.6	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7
GE 4000	79.2	79.9	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5
GE 3500	80.2	80.9	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.6	81.6
GE 3000	81.8	82.5	82.9	83.2	83.3	83.5	83.5	83.5	83.5	83.9	83.9	83.9	83.9	83.9	84.0	84.0
GE 2500	82.7	83.5	84.0	84.4	84.5	84.8	84.8	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.3	85.3
GE 2000	83.5	84.5	85.2	85.7	86.3	86.8	86.9	86.9	86.9	87.2	87.2	87.2	87.2	87.2	87.3	87.3
GE 1800	83.8	84.7	85.4	85.9	86.6	87.0	87.1	87.1	87.1	87.4	87.4	87.4	87.4	87.4	87.5	87.5
GE 1500	84.9	85.9	86.7	87.2	88.1	88.6	88.8	88.8	88.8	89.1	89.1	89.1	89.1	89.1	89.2	89.2
GE 1200	85.7	86.8	87.7	88.7	89.6	90.2	90.4	90.4	90.4	90.8	90.8	90.8	90.8	90.8	90.9	90.9
GE 1000	86.0	87.2	88.2	89.4	90.4	91.1	91.4	91.4	91.4	91.7	92.0	92.0	92.0	92.0	92.2	92.2
GE 900	86.1	87.4	88.5	89.7	90.9	91.5	91.8	91.8	91.8	92.2	92.5	92.5	92.5	92.5	92.6	92.6
GE 800	86.1	87.4	88.6	90.0	91.5	92.2	92.5	92.5	92.5	92.8	93.1	93.1	93.1	93.1	93.2	93.2
GE 700	86.2	87.5	88.8	90.4	92.0	92.8	93.1	93.1	93.1	93.4	93.8	93.8	93.8	93.8	93.9	93.9
GE 600	86.3	87.6	88.9	90.6	92.4	93.2	93.7	94.0	94.0	94.3	94.6	94.6	94.6	94.6	94.7	94.7
GE 500	86.3	87.6	88.9	91.1	93.0	94.0	94.5	94.8	94.8	95.2	95.6	95.6	95.6	95.6	95.7	95.7
GE 400	86.3	87.7	89.0	91.6	94.1	95.3	95.8	97.0	97.0	97.4	97.8	97.8	97.8	97.8	98.0	98.0
GE 300	86.3	87.7	89.0	91.7	94.6	95.8	96.3	98.0	98.0	98.5	98.9	98.9	98.9	98.9	99.0	99.0
GE 200	86.3	87.7	89.0	91.7	94.6	95.8	96.3	98.0	98.2	98.7	99.1	99.1	99.1	99.1	99.2	99.2
GE 100	86.3	87.7	89.0	91.7	94.6	95.8	96.3	98.0	98.4	98.9	99.4	99.4	99.4	99.5	99.7	99.7
GE 000	86.3	87.7	89.0	91.7	94.6	95.8	96.3	98.0	98.4	98.9	99.4	99.4	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB-SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	61.9	62.3	62.6	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0
GE 20000	66.1	66.7	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4
GE 18000	66.1	66.7	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4
GE 16000	66.1	66.7	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4
GE 14000	66.6	67.1	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8
GE 12000	67.2	67.7	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5
GE 10000	69.2	69.8	70.1	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.5	70.5	70.5	70.5
GE 9000	69.6	70.1	70.4	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9
GE 8000	73.1	73.7	74.0	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4
GE 7000	73.2	73.8	74.1	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.5
GE 6000	74.2	74.7	75.1	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5
GE 5000	75.1	75.6	76.3	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.1	77.1	77.1	77.1
GE 4500	75.9	76.5	77.2	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	78.0	78.0	78.0	78.0
GE 4000	79.4	79.9	80.6	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.4	81.4
GE 3500	79.8	80.3	81.2	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0
GE 3000	81.5	82.0	83.1	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0
GE 2500	82.8	83.3	84.4	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3
GE 2000	83.9	84.4	85.6	86.5	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2
GE 1800	83.9	84.4	85.6	86.5	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2
GE 1500	84.2	84.7	86.2	87.1	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8
GE 1200	85.4	86.0	87.7	88.6	89.2	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.6	89.6	89.6	89.6
GE 1000	85.6	86.3	88.1	88.9	90.0	90.2	90.3	90.3	90.3	90.4	90.5	90.5	90.6	90.6	90.6	90.6
GE 900	86.1	86.9	88.6	89.5	90.5	90.8	90.9	90.9	90.9	91.0	91.1	91.1	91.2	91.2	91.2	91.2
GE 800	86.2	87.0	88.9	89.8	91.0	91.3	91.5	91.5	91.5	91.6	91.7	91.7	91.8	91.8	91.8	91.8
GE 700	86.3	87.2	89.1	90.0	91.2	91.5	91.7	91.7	91.7	91.8	92.0	92.0	92.2	92.2	92.2	92.2
GE 600	86.3	87.2	89.2	90.6	91.8	92.2	92.4	92.4	92.4	92.5	92.7	92.7	92.8	92.8	92.8	92.8
GE 500	86.3	87.3	89.4	91.3	92.6	93.0	93.3	93.5	93.7	93.8	94.1	94.1	94.2	94.2	94.2	94.2
GE 400	86.5	87.4	89.5	92.2	94.1	94.8	95.3	96.1	96.2	96.6	96.9	96.9	97.0	97.0	97.0	97.0
GE 300	86.5	87.4	89.5	92.2	94.4	95.2	95.6	97.2	97.4	98.0	98.3	98.3	98.4	98.4	98.4	98.5
GE 200	86.5	87.4	89.5	92.2	94.4	95.3	95.9	97.5	97.8	98.4	98.8	98.8	99.2	99.2	99.4	99.5
GE 100	86.5	87.4	89.5	92.2	94.4	95.3	95.9	97.5	97.8	98.5	98.9	98.9	99.4	99.4	99.6	99.7
GE 000	86.5	87.4	89.5	92.2	94.4	95.3	95.9	97.6	98.0	98.6	99.0	99.0	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.1	54.3	55.4	55.8	56.2	56.2	56.3	56.3	56.3	56.4	56.5	56.5	56.6	56.6	56.7	56.7
GE 20000	57.7	59.1	60.3	60.8	61.1	61.2	61.3	61.3	61.4	61.4	61.5	61.6	61.7	61.7	61.8	61.9
GE 18000	57.7	59.2	60.3	60.8	61.2	61.3	61.3	61.4	61.4	61.5	61.6	61.6	61.7	61.8	61.9	61.9
GE 16000	57.8	59.2	60.3	60.8	61.2	61.3	61.4	61.4	61.4	61.5	61.6	61.6	61.8	61.8	61.9	62.0
GE 14000	58.2	59.7	60.8	61.3	61.7	61.7	61.8	61.9	61.9	62.0	62.1	62.1	62.2	62.3	62.4	62.4
GE 12000	59.1	60.6	61.8	62.3	62.7	62.7	62.8	62.9	62.9	63.0	63.1	63.1	63.3	63.3	63.4	63.5
GE 10000	61.3	62.8	64.1	64.6	65.0	65.1	65.2	65.3	65.3	65.4	65.5	65.6	65.7	65.7	65.8	65.9
GE 9000	61.7	63.2	64.4	65.0	65.4	65.5	65.5	65.6	65.6	65.7	65.9	65.9	66.0	66.1	66.2	66.3
GE 8000	64.5	66.0	67.4	68.0	68.4	68.5	68.6	68.6	68.7	68.8	68.9	69.0	69.1	69.1	69.2	69.3
GE 7000	65.4	67.0	68.4	69.0	69.5	69.5	69.6	69.7	69.8	69.9	70.0	70.0	70.2	70.2	70.3	70.4
GE 6000	66.0	67.7	69.2	69.8	70.3	70.4	70.5	70.6	70.6	70.7	70.9	70.9	71.0	71.1	71.2	71.3
GE 5000	68.1	69.8	71.5	72.3	72.9	73.0	73.1	73.2	73.2	73.3	73.5	73.5	73.6	73.7	73.8	73.9
GE 4500	68.9	70.6	72.4	73.1	73.7	73.8	74.0	74.1	74.1	74.2	74.4	74.4	74.5	74.6	74.7	74.7
GE 4000	71.7	73.5	75.3	76.1	76.8	76.9	77.1	77.2	77.2	77.3	77.5	77.5	77.6	77.7	77.8	77.8
GE 3500	72.8	74.7	76.6	77.5	78.2	78.3	78.5	78.6	78.6	78.7	78.9	78.9	79.0	79.1	79.2	79.3
GE 3000	74.2	76.1	78.1	79.0	79.8	80.0	80.1	80.2	80.3	80.4	80.6	80.6	80.7	80.8	80.9	81.0
GE 2500	75.0	77.0	79.0	80.0	80.9	81.1	81.2	81.4	81.4	81.6	81.7	81.7	81.9	81.9	82.0	82.1
GE 2000	76.1	78.3	80.5	81.7	82.7	83.0	83.2	83.4	83.4	83.5	83.7	83.7	83.9	83.9	84.0	84.1
GE 1800	76.3	78.4	80.6	81.9	82.9	83.2	83.4	83.6	83.6	83.8	83.9	83.9	84.1	84.1	84.2	84.3
GE 1500	76.9	79.1	81.5	82.7	83.9	84.2	84.4	84.6	84.6	84.8	85.0	85.0	85.1	85.2	85.3	85.3
GE 1200	77.9	80.3	83.0	84.5	85.8	86.1	86.4	86.5	86.6	86.7	86.9	86.9	87.0	87.1	87.2	87.3
GE 1000	78.5	80.9	83.7	85.4	86.8	87.2	87.5	87.7	87.8	87.9	88.2	88.2	88.3	88.4	88.5	88.6
GE 900	78.8	81.3	84.2	85.9	87.4	87.8	88.2	88.4	88.4	88.6	88.8	88.9	89.0	89.1	89.2	89.2
GE 800	79.0	81.5	84.5	86.5	88.1	88.5	89.0	89.2	89.2	89.4	89.6	89.7	89.8	89.8	89.9	90.0
GE 700	79.1	81.8	84.9	87.0	88.8	89.3	89.7	90.0	90.0	90.2	90.5	90.5	90.6	90.7	90.8	90.9
GE 600	79.3	82.0	85.3	87.5	89.6	90.2	90.8	91.1	91.2	91.4	91.6	91.7	91.8	91.9	92.0	92.1
GE 500	79.3	82.1	85.6	88.1	90.7	91.4	92.2	92.7	92.8	92.9	93.3	93.3	93.5	93.5	93.6	93.7
GE 400	79.3	82.2	85.7	88.4	91.7	92.6	93.8	94.7	94.8	95.2	95.6	95.7	95.8	95.9	96.0	96.2
GE 300	79.3	82.2	85.7	88.5	92.0	92.9	94.3	95.6	95.7	96.4	96.9	96.9	97.2	97.2	97.5	97.7
GE 200	79.3	82.2	85.7	88.5	92.1	93.1	94.6	95.9	96.1	96.8	97.5	97.5	97.9	97.9	98.5	98.9
GE 100	79.3	82.2	85.7	88.5	92.1	93.1	94.6	95.9	96.1	96.9	97.5	97.6	98.0	98.1	98.8	99.4
GE 000	79.3	82.2	85.7	88.5	92.1	93.1	94.6	95.9	96.1	96.9	97.5	97.6	98.1	98.2	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7440



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/8	1/4	0
NO CEIL	47.6	50.8	53.9	55.7	56.8	57.0	57.2	57.3	57.3	57.4	57.4	57.4	57.5	57.5	57.5	57.6
GE 20000	53.7	57.5	61.2	63.3	64.5	64.8	65.0	65.2	65.2	65.2	65.3	65.3	65.4	65.4	65.4	65.5
GE 18000	53.7	57.6	61.3	63.3	64.6	64.9	65.1	65.2	65.2	65.3	65.4	65.4	65.4	65.5	65.5	65.6
GE 16000	53.8	57.6	61.3	63.4	64.7	64.9	65.2	65.3	65.3	65.4	65.4	65.4	65.5	65.5	65.6	65.6
GE 14000	54.1	58.0	61.7	63.8	65.1	65.4	65.6	65.7	65.7	65.8	65.9	65.9	65.9	66.0	66.0	66.1
GE 12000	55.2	59.2	63.0	65.2	66.5	66.8	67.0	67.1	67.1	67.2	67.3	67.3	67.4	67.4	67.4	67.5
GE 10000	58.1	62.4	66.5	68.9	70.3	70.6	70.8	70.9	71.0	71.0	71.1	71.1	71.2	71.2	71.2	71.3
GE 9000	58.4	62.7	66.9	69.3	70.7	71.0	71.2	71.4	71.4	71.5	71.5	71.5	71.6	71.6	71.7	71.7
GE 8000	61.2	65.8	70.3	72.8	74.3	74.6	74.9	75.0	75.0	75.1	75.2	75.2	75.3	75.3	75.3	75.4
GE 7000	61.8	66.5	71.0	73.5	75.1	75.4	75.7	75.8	75.8	75.9	76.0	76.0	76.0	76.1	76.1	76.2
GE 6000	62.3	67.0	71.5	74.1	75.7	76.0	76.3	76.4	76.5	76.5	76.6	76.6	76.7	76.7	76.7	76.8
GE 5000	63.6	68.4	73.1	75.8	77.4	77.7	78.0	78.1	78.2	78.2	78.3	78.3	78.4	78.4	78.5	78.5
GE 4500	64.1	68.9	73.7	76.3	78.0	78.3	78.6	78.8	78.8	78.9	78.9	78.9	79.0	79.0	79.1	79.1
GE 4000	65.9	71.0	76.0	78.9	80.7	81.1	81.4	81.5	81.6	81.6	81.7	81.7	81.8	81.8	81.8	81.9
GE 3500	66.9	72.1	77.3	80.2	82.1	82.5	82.8	82.9	83.0	83.0	83.1	83.1	83.2	83.2	83.3	83.3
GE 3000	68.2	73.6	79.0	82.1	84.0	84.5	84.8	85.0	85.0	85.1	85.2	85.2	85.3	85.3	85.3	85.4
GE 2500	68.8	74.3	79.8	83.0	85.0	85.5	85.8	86.0	86.0	86.1	86.2	86.2	86.3	86.3	86.3	86.4
GE 2000	69.8	75.4	81.1	84.5	86.6	87.1	87.5	87.7	87.7	87.8	87.9	87.9	88.0	88.0	88.0	88.1
GE 1800	70.0	75.6	81.3	84.7	86.9	87.4	87.7	87.9	88.0	88.1	88.1	88.1	88.2	88.3	88.3	88.4
GE 1500	70.5	76.2	82.0	85.5	87.8	88.3	88.7	88.9	88.9	89.0	89.1	89.1	89.2	89.2	89.3	89.3
GE 1200	71.0	76.9	82.9	86.6	89.1	89.6	90.1	90.3	90.3	90.4	90.5	90.5	90.6	90.6	90.7	90.7
GE 1000	71.4	77.3	83.6	87.4	90.1	90.7	91.1	91.4	91.4	91.5	91.6	91.6	91.7	91.7	91.8	91.9
GE 900	71.5	77.5	83.9	87.9	90.6	91.2	91.8	92.0	92.0	92.1	92.2	92.2	92.3	92.4	92.4	92.5
GE 800	71.7	77.7	84.2	88.4	91.3	92.0	92.6	92.8	92.9	93.0	93.1	93.1	93.2	93.2	93.3	93.3
GE 700	71.9	78.0	84.6	88.9	92.1	92.8	93.5	93.8	93.8	93.9	94.0	94.0	94.1	94.2	94.2	94.3
GE 600	72.0	78.1	84.9	89.3	92.9	93.7	94.4	94.8	94.8	95.0	95.1	95.1	95.2	95.2	95.3	95.3
GE 500	72.0	78.2	85.1	89.8	93.7	94.7	95.6	96.1	96.2	96.3	96.5	96.5	96.6	96.6	96.7	96.7
GE 400	72.0	78.2	85.2	90.0	94.2	95.3	96.3	97.1	97.2	97.4	97.6	97.6	97.7	97.7	97.8	97.9
GE 300	72.1	78.3	85.2	90.1	94.5	95.6	96.9	97.6	97.7	98.1	98.3	98.3	98.5	98.5	98.6	98.8
GE 200	72.1	78.3	85.2	90.1	94.5	95.7	97.0	97.8	97.9	98.3	98.6	98.6	98.9	99.0	99.2	99.4
GE 100	72.1	78.3	85.2	90.1	94.5	95.7	97.1	97.8	97.9	98.4	98.7	98.7	99.0	99.1	99.4	99.8
GE 000	72.1	78.3	85.2	90.1	94.5	95.7	97.1	97.8	97.9	98.4	98.7	98.7	99.0	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 87667

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	37.5	14.4	13.2	30.4	4.4	48.1	1.4	930
03-05	38.5	13.1	10.2	34.7	3.4	48.4	3.5	930
06-08	23.5	21.1	17.5	35.6	2.3	55.4	3.3	930
09-11	19.4	22.3	18.6	38.3	1.5	58.4	3.2	930
12-14	16.9	24.3	19.0	39.2	.5	58.8	1.6	930
15-17	16.3	26.2	20.4	36.5	.5	57.4	1.3	930
18-20	23.5	25.1	18.1	32.7	.6	51.4	2.3	930
21-23	36.1	18.6	12.0	31.2	2.0	45.3	2.2	930
ALL HOURS	26.0	20.0	16.0	34.0	1.0	52.0	2.0	7440

MONTH: FEB HOURS: ALL

00-02	33.2	17.4	14.4	33.2	1.8	49.4	2.8	849
03-05	30.6	18.3	11.9	36.9	2.4	51.1	4.0	849
06-08	18.6	21.8	18.4	37.8	3.4	59.6	4.7	849
09-11	14.6	21.1	24.0	38.8	1.5	64.3	2.4	849
12-14	11.4	25.4	24.0	38.3	.8	63.1	1.3	849
15-17	10.4	26.6	20.5	34.0	.5	63.0	2.5	849
18-20	18.7	24.6	22.7	32.9	1.1	56.7	1.8	849
21-23	29.2	19.0	17.4	33.0	1.4	51.8	1.8	849
ALL HOURS	20.8	21.8	20.2	35.0	1.6	57.4	2.7	6792

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBS	GT 1/2	PARTIAL OBS	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	35.9	19.9	13.9	29.6	.8	44.2	1.4	930
03-05	34.2	17.8	11.8	34.3	1.8	48.0	2.9	930
06-08	20.2	25.3	16.3	35.2	3.0	54.5	4.4	930
09-11	17.6	25.3	20.0	36.2	.9	57.1	1.7	930
12-14	13.8	28.0	25.7	32.6		58.3	.3	930
15-17	11.5	28.1	30.8	29.5	.2	60.4	.2	930
18-20	13.3	32.3	24.9	29.2	.3	54.4	.4	928
21-23	33.0	24.4	15.3	27.2	.1	42.6	.8	927
ALL HOURS	22.0	25.0	19.0	31.0	.0	52.0	1.0	7435

MONTH: APR HOURS: ALL

00-02	41.3	21.6	15.6	21.1	.4	37.1	.4	900
03-05	39.4	20.9	13.8	25.0	.9	39.7	1.4	900
06-08	22.0	30.8	21.7	24.8	.8	47.2	3.2	900
09-11	20.1	31.0	24.4	24.3	.1	48.9	.9	900
12-14	15.0	33.9	24.8	26.3		51.1	.1	900
15-17	13.2	36.3	24.7	25.8		50.4	.2	900
18-20	18.8	34.1	20.2	26.9		47.1		900
21-23	34.2	27.2	14.3	24.2		38.6		900
ALL HOURS	25.5	29.5	19.0	24.8	.3	45.0	.8	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	32.3	25.4	18.1	24.0	.3	42.4	.5	930
03-05	27.4	29.5	17.6	23.3	2.2	43.1	1.6	930
06-08	15.6	28.1	29.2	24.8	2.3	56.3	4.3	930
09-11	14.2	31.7	30.4	23.7		54.1	.3	930
12-14	6.8	36.2	36.0	21.0		57.0	.1	930
15-17	4.4	40.6	33.7	21.3		54.9	.1	930
18-20	10.5	33.8	32.0	23.5	.1	55.7		930
21-23	26.2	29.9	20.8	23.0	.1	43.9	.2	930
ALL HOURS	17.0	31.0	27.0	23.0	.0	50.0	.0	7440

MONTH: JUN HOURS: ALL

00-02	29.4	31.2	19.7	19.7		39.3	1.4	900
03-05	20.0	35.0	21.8	22.1	1.1	45.0	2.7	900
06-08	11.4	33.0	30.7	23.2	1.7	55.6	5.6	900
09-11	11.6	36.2	33.4	18.8		52.2	.4	900
12-14	2.6	46.8	32.0	18.7		50.7	.4	900
15-17	1.3	44.6	36.8	17.3		54.1	.2	900
18-20	5.0	38.7	33.4	22.9		56.3	.2	900
21-23	23.0	34.3	19.1	23.6		42.7	.8	900
ALL HOURS	13.0	37.5	28.4	20.8	.3	49.5	1.5	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL HOURS: ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	AIRWAY CLASSES		G1 1/2	PARTIAL OBSCURATION	TOTAL OBS
					TOTAL	OBSCURATION			
00-02	18.8	38.6	20.6	21.9			42.6	1.7	930
03-05	18.2	34.9	26.8	18.9	1.2		46.9	4.2	930
06-08	8.5	33.4	35.7	20.9	1.5		58.1	8.1	930
09-11	10.3	37.8	36.0	15.8			51.8	2.5	930
12-14	2.4	42.6	38.4	16.7			55.1	1.4	930
15-17	1.0	38.8	41.6	18.6			60.2	2.9	930
18-20	7.1	27.8	37.8	27.2			65.1	2.8	930
21-23	14.7	35.9	22.9	26.5			49.4	1.5	930
ALL HOURS	10.0	36.0	32.0	20.0	.0		53.0	3.0	7440

MONTH: AUG HOURS: ALL

00-02	28.0	29.1	19.7	23.2			42.9	3.2	930
03-05	27.7	29.4	18.4	23.0	1.5		42.9	8.3	930
06-08	13.0	36.3	27.3	21.2	2.2		50.6	14.4	930
09-11	12.6	38.5	31.5	17.2	.2		48.9	4.6	930
12-14	2.0	46.1	36.2	15.6			51.8	3.4	930
15-17	.5	42.9	39.0	17.5			56.6	3.1	930
18-20	6.3	35.6	35.1	23.0			58.1	2.6	930
21-23	20.4	30.9	23.7	25.1			48.7	1.1	930
ALL HOURS	13.8	36.1	28.9	20.7	.5		50.1	5.1	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	35.2	23.2	14.7	26.4	.4	41.6	1.3	900
03-05	34.2	23.8	13.8	25.1	3.1	42.0	5.0	900
06-08	13.3	35.4	21.8	26.9	2.6	51.2	10.8	900
09-11	17.6	32.9	23.7	25.9		49.6	1.8	900
12-14	5.1	44.7	30.6	19.7		50.2	.6	900
15-17	5.9	41.9	31.8	20.4		52.2	.4	900
18-20	17.6	32.7	26.4	23.3		49.8	.8	900
21-23	31.4	27.4	18.7	22.4		41.1	.1	900
ALL HOURS	20.0	32.0	22.0	23.0	.0	47.0	2.0	7200

MONTH: OCT HOURS: ALL

00-02	45.8	18.0	12.4	23.1	.8	36.2	1.3	930
03-05	45.1	16.0	11.6	24.3	3.0	38.9	3.3	930
06-08	21.5	27.7	23.1	24.7	2.9	50.8	8.5	930
09-11	22.5	28.4	24.4	24.3	.4	49.1	3.3	930
12-14	16.3	35.6	27.1	21.0		48.1	.2	930
15-17	17.4	34.4	26.5	21.7		48.2	.1	930
18-20	27.1	26.9	21.2	24.8		46.0	.6	930
21-23	42.0	20.5	14.6	22.5	.3	37.4	.8	930
ALL HOURS	29.7	25.9	20.1	23.3	.9	44.3	2.3	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	39.2	20.2	10.8	28.3	1.4	40.6	2.1	900
03-05	38.3	16.4	12.6	29.1	3.6	45.2	2.9	900
06-08	23.1	23.6	20.9	28.7	3.8	53.3	5.9	900
09-11	19.3	25.0	23.1	30.7	1.9	55.7	3.0	900
12-14	17.1	25.2	26.7	30.8	.2	57.7	.9	900
15-17	16.7	28.2	27.3	27.7	.1	55.1	1.1	900
18-20	27.2	26.6	18.9	26.9	.4	46.2	1.0	900
21-23	37.8	21.1	14.2	25.7	1.2	41.1	.8	900
ALL HOURS	27.0	23.0	19.0	28.0	1.0	49.0	2.0	7200

MONTH: DEC HOURS: ALL

00-02	38.6	18.4	15.5	25.8	1.7	43.0	2.9	930
03-05	40.6	14.1	11.7	29.9	3.7	45.3	4.5	930
06-08	24.8	24.2	16.9	30.0	4.1	51.0	6.3	930
09-11	16.0	26.8	24.6	30.9	1.7	57.2	4.1	930
12-14	12.7	29.0	28.3	29.8	.2	58.3	1.6	930
15-17	11.5	31.6	27.0	29.8	.1	56.9	.6	930
18-20	24.2	27.4	19.2	28.5	.6	48.4	.6	930
21-23	38.1	19.5	14.2	27.3	1.0	42.5	1.2	930
ALL HOURS	25.8	23.9	19.7	29.0	1.6	50.3	2.7	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE-NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: ALL HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL ODS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	34.6	23.1	15.7	25.5	1.0	42.2	1.7	10959
03-05	32.9	22.4	15.2	27.2	2.3	44.7	3.7	10959
06-08	18.0	28.4	23.3	27.8	2.5	53.6	6.6	10959
09-11	16.3	29.8	26.2	27.0	.7	53.9	2.4	10959
12-14	10.2	34.9	29.1	25.7	.1	55.0	1.0	10959
15-17	9.2	35.1	30.7	25.0	.1	55.8	1.1	10959
18-20	16.6	30.5	25.9	26.8	.3	52.9	1.1	10957
21-23	30.5	25.8	17.3	25.9	.5	43.7	.9	10956
ALL HOURS	21.0	28.7	22.9	26.4	.9	50.2	2.3	87667



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPP	AA AA	RRRRRRRR	TT	EEEEEE
PPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	EEEEEE
PP	AAAAAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEEE
PP	AA AA	RR RR	YT	EEEEEEEEEE

PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (\*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, WET BULB TEMPERATURES ARE NOT REPORTED (TMM-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

TEMPERATURE CONVERSIONS:  $F = 1.8C + 32$

$C = K - 273.0$  (BEFORE 5 APRIL 77)

$C = K - 273.2$  (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE

HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED.  
THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4201-8903

MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 105						.1	.1						.0
GE 100						2.8	2.5	1.4	.1				.6
GE 95				.1	1.9	13.7	16.0	10.8	3.0	.3			3.8
GE 90			.1	2.3	13.1	40.2	53.1	45.0	20.9	1.5			14.7
GE 85			2.3	16.0	39.8	73.3	85.2	79.8	51.7	7.5			29.7
GE 80	.5	1.3	9.3	34.6	69.4	91.3	96.9	93.6	74.0	30.2	5.8	.4	42.4
GE 75	4.5	6.8	22.5	54.0	86.5	97.9	99.3	98.6	88.8	55.3	19.7	4.8	53.3
GE 70	11.6	17.8	38.9	73.0	95.8	99.6	99.9	99.8	96.4	75.7	40.0	13.7	63.5
GE 65	22.1	32.0	56.2	88.7	98.7	99.9	100.0	99.9	99.1	90.7	59.1	26.8	72.8
GE 60	35.6	47.7	73.6	95.7	99.5	100.0		100.0	99.9	96.8	75.2	41.5	80.4
GE 55	51.9	63.0	85.8	98.8	100.0				100.0	99.2	87.3	58.6	87.0
GE 50	67.6	77.3	93.1	99.8						99.9	95.7	75.2	92.3
GE 45	81.7	88.1	97.5	100.0						100.0	98.9	88.8	96.2
GE 40	91.4	95.5	99.4								99.8	96.0	98.5
GE 35	96.8	99.3	99.9								99.9	99.0	99.6
GE 33	98.3	99.6	99.9								100.0	99.5	99.8
GE 30	99.3	99.9	99.9									99.7	99.9
GE 25	100.0	100.0	100.0									100.0	100.0
MEAN	55.1	58.5	65.9	75.1	82.2	87.8	89.6	88.5	83.6	74.8	66.0	57.3	73.7
SD	11.24	10.95	10.37	8.72	6.85	6.13	5.17	5.39	7.02	7.64	9.21	10.41	14.98
TOTAL OBS	1488	1356	1454	1410	1456	1410	1457	1457	1409	1457	1409	1457	17220

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4201-8903  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 80						.4	.3						.1
GE 75					.3	6.5	16.1	11.8	1.8	.2			3.1
GE 70				.4	5.9	48.4	81.9	72.3	34.6	2.0	.1		20.6
GE 65			.8	5.2	40.0	82.4	97.2	93.4	63.0	11.1	1.8	.4	33.0
GE 60	1.1	1.2	6.9	26.1	67.0	95.5	99.9	99.2	83.0	30.5	7.9	2.2	43.5
GE 55	4.8	6.3	17.6	46.2	85.0	99.2	100.0	99.9	93.3	51.8	17.9	6.4	52.4
GE 50	10.0	14.5	33.4	68.3	96.3	100.0		100.0	98.8	72.0	34.5	14.2	61.9
GE 45	20.2	25.0	50.3	85.1	99.5				99.9	87.1	49.8	25.5	70.2
GE 40	35.1	42.4	71.0	95.6	100.0				100.0	96.4	70.7	41.2	79.4
GE 35	55.4	64.7	87.2	99.4						99.2	87.9	61.5	87.9
GE 33	64.0	73.1	92.2	99.9						99.7	92.3	69.4	90.9
GE 30	76.0	82.6	96.4	99.9						100.0	96.8	81.6	94.4
GE 25	89.9	93.7	99.4	100.0							99.5	93.7	98.0
GE 20	96.7	98.7	99.9								99.7	98.8	99.5
GE 15	99.3	99.8	100.0								100.0	99.6	99.9
GE 10	99.9	99.9										99.9	100.0
GE 5	99.9	100.0										100.0	100.0
GE 0	100.0												100.0
MEAN	36.4	38.4	45.1	53.3	61.7	68.6	71.7	70.8	65.7	54.5	45.2	38.2	54.2
SD	9.75	9.51	9.17	7.78	6.06	4.64	3.16	3.63	6.18	8.25	9.40	9.84	14.92
TOTAL OBS	1488	1356	1454	1410	1456	1410	1457	1457	1409	1457	1409	1457	17220

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4201-8903  
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	AP	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 90						1.1	1.0	.3					.2
GE 85					.4	9.2	14.9	10.2	1.2	.3			3.0
GE 80				.7	7.8	42.6	66.6	58.5	25.1	1.0			16.9
GE 75			.6	8.4	38.7	79.4	94.9	90.0	58.4	7.5	.8	.1	31.6
GE 70	.2	.7	6.9	29.5	70.7	96.2	99.5	98.8	80.2	28.1	5.2	.9	43.1
GE 65	3.9	5.2	18.4	51.8	88.1	99.3	100.0	99.8	92.8	53.7	16.3	4.8	52.9
GE 60	10.1	15.1	34.9	72.2	97.5	99.9		99.9	98.5	77.2	35.8	13.5	62.9
GE 55	18.8	27.6	54.5	89.0	99.6	100.0		100.0	99.9	91.4	55.1	24.0	71.7
GE 50	34.7	44.2	73.7	97.2	100.0				100.0	97.8	75.2	41.1	80.3
GE 45	53.2	65.8	88.5	99.6						99.7	90.4	61.8	88.2
GE 40	74.1	82.2	95.9	100.0						100.0	97.8	81.7	94.3
GE 35	88.5	93.5	99.1								99.4	92.9	97.8
GE 33	91.6	96.4	99.5								99.7	95.9	98.6
GE 30	95.8	98.7	99.9								99.9	98.4	99.4
GE 25	99.2	99.7	100.0								100.0	99.6	99.9
GE 20	99.8	100.0										99.9	100.0
GE 15	100.0											100.0	100.0
MEAN	45.9	48.6	55.7	64.4	72.2	78.4	80.9	79.8	74.8	64.9	55.8	47.9	64.1
SD	9.79	9.47	9.10	7.60	5.80	4.85	3.70	4.05	6.07	7.19	8.58	9.47	14.59
TOTAL OBS.	1488	1356	1454	1410	1456	1410	1457	1457	1409	1457	1409	1457	17220

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4201-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42	76	69	82	89	89	98	100	100	96	86	82	74	100
43	79	77	82	91	93	98	99	100	95	90	82	80	100
44	81	81	88	96	102	98	97	100	89	77	70	102*	
45	65	80	89	87	95	100	99	94	93	85	83	64	100
46	76	73	82	92	90	97	99	97	91	84	84	78	99
47	77	74	76	88	94	102	94	96	97	88	72	72	102
48	77	81	87	89	94	101	98	99	92	80	83	76	101
49	81	80	86	85	93	97	100	95	94	86	78	77	100
50	80	79	85	88	94	102	96	96	92	85	85	72	102
51	74	80	84	89	95	100	97	98	93	94	78	78	100
52	81	75	81	88	94	103	103	96	94	88	80	73	103
53	73	73	81	89	99	99	102	100	93	87	81	74	102
54	74	77	85	89	91	102	101	102	101	99	75	76	102
55	77	77	87	89	94	94	97	96	94	87	83	80	97
56	70	82	84	87	95	100	98	99	97	87	81	79	100
57	78	81	78	90	91	96	98	98	98	79	81	72	98
58	63	76	74	90	90	100	96	97	96	87	86	70	100
59	75	77	82	89	95	104	94	97	93	88	81	71	104
60	75	70	78	92	96	97	98	95	94	87	79	72	98
61	68	76	81	85	88	94	96	96	94	88	88	73	96
62	77	82	81	90	96	90	96	92	93	89	77	70	96
63	72	68	87	90	93	103	96	98	93	86	75	64	103
64	67	64	80	89	97	98	91	94	90	84	82	75	98
65	76	79	80	89	90	93	93	94	89	84	76	72	94
66	75	68	33	88	87	94	100	93	94	86	80	77	100
67	76	75	86	93	94	94	92	94	88	88	77	79	94
68	73	65	84	92	88	94	97	101	94	91	82	72	101
69	72	72	81	86	91	96	97	93	90	87	76	73	97
70	79	76	82	95	97	106	101	101	95	87	78	78	106
71	72	77	79	89	89	94	95	93	92	88	83	82	95
72	76	81	82	92	86	95	95	94	93	87	83	78	95
73	72	72	85	83	91	95	97	96	94	92	84	77	97
74	79	79	90	90	92	97	93	92	90	82	83	71	97
75	81	79	80	90	91	91	93	101	93	83	80	74	101

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4201-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	74	80	88	91	88	93	96	94	90	86	74	65	96
77	56	80	84	86	94	100	105	95	93	89	82	77	105
78	73	72	81	90	94	102	98	96	96	85	80	81	102
79	75	75	79	83	87	92	96	95	88	84	81	74	96
80	65	76	76	92	89	96	101	104	98	85	79	74	104
81	68	77	84	92	93	101	98	93	91	90	76	74	101
82	74	79	86	80	92	92	93	95	89	83	78	77	95
83	63	70	76	82	90	94	104	103	96	86	75	74	104
84	68	77	83	87	91	99	94	92	95	86	79	79	99
85	77	77	87	90	91	97	95	90	91	86	81	73	97
86	72	77	85	94	95	96	104	94	95	95	83	78	104
87	72	73	77	91	91	94	100	101	90	78	79	74	101
88	69	72	78	89	89	97	98	98	90	83	79	73	98
89	71	81	83										83*

GREATEST	81	82	90	95	99	106	105	104	101	99	88	82	106
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TOTAL OBS	1488	1356	1454	1410	1456	1410	1457	1457	1409	1457	1409	1457	17220
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THE GREATEST VALUE OF 106 OCCURRED ON 06/19/70

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH



OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAIRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

SATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4201-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42	17	22	33	37	53	63	70	56	46	40	31	20	17
43	25	20	24	33	49	68	63	63	51	36	31	14	14
44	23	21		35	47	65	62	60	59	40	35	23	21*
45	26	21	42	40	45	57	69	62	65	41	26	20	20
46	21	32	38	40	52	51	59	59	57	44	36	23	21
47	26	17	25	46	67	54	60	67	44	44	31	26	17
48	16	22	30	45	50	58	67	62	54	37	39	21	16
49	29	33	27	35	53	60	67	65	48	51	31	29	27
50	32	31	29	32	51	59	65	64	45	50	16	22	16
51	24	19	31	42	52	64	61	65	57	49	25	20	19
52	23	29	32	39	49	65	64	60	57	35	34	25	23
53	30	31	35	37	59	59	64	63	51	44	30	20	20
54	22	28	27	45	49	55	67	68	58	38	28	24	22
55	27	19	22	43	54	59	65	68	62	42	24	21	19
56	26	33	32	39	44	55	69	63	51	44	25	30	25
57	22	31	30	43	44	63	68	60	52	33	30	14	14
58	18	9	32	42	47	61	64	65	52	41	33	15	9
59	15	20	35	39	52	62	66	69	53	41	23	28	15
60	20	26	20	40	46	60	65	66	58	41	32	20	20
61	17	25	34	37	47	58	66	62	54	35	28	20	17
62	18	25	30	34	52	62	63	64	47	30	31	8	8
63	16	18	33	40	40	61	60	63	49	34	28	16	16
64	17	25	28	39	51	63	62	62	52	38	28	21	17
65	24	26	27	40	55	59	65	58	57	32	32	24	24
66	10	21	27	38	43	50	61	60	53	42	30	22	10
67	25	15	26	44	46	55	62	63	45	40	26	24	15
68	20	20	26	41	47	58	64	59	57	37	30	21	20
69	19	25	25	40	47	62	70	60	54	34	22	25	19
70	8	19	29	42	50	62	67	67	50	36	17	23	8
71	17	20	29	38	46	60	67	69	61	48	32	30	17
72	16	25	33	34	52	53	66	67	55	33	28	23	16
73	23	14	34	37	51	65	72	68	65	43	30	21	14
74	30	22	35	37	52	60	62	66	49	32	27	23	22
75	25	28	24	37	56	64	66	67	53	37	30	19	19

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4201-8903

MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	13	28	34	36	47	54	66	58	54	30	25	17	13
77	13	18	35	40	44	52	67	66	59	40	27	22	13
78	19	19	26	43	47	62	67	65	57	40	38	28	19
79	21	21	32	44	49	59	61	58	59	39	27	26	21
80	28	22	16	39	43	58	65	64	57	40	33	22	16
81	17	23	31	42	49	58	66	64	50	36	27	19	17
82	11	31	30	33	47	59	65	60	51	41	33	26	11
83	19	28	33	29	49	52	63	61	48	40	31	11	11
84	20	24	28	38	47	54	65	63	48	45	28	24	20
85	3	21	29	34	48	55	65	60	46	48	37	16	3
86	13	24	30	39	48	62	66	53	56	42	30	29	13
87	26	23	29	34	48	61	63	66	54	34	28	26	23
88	19	18	29	39	46	52	57	67	58	34	30	20	18
89	29	21	31										21*

LEAST	3	9	16	29	40	50	57	53	44	30	16	8	3
TOTAL OBS	1488	1356	1454	1410	1456	1410	1457	1457	1409	1457	1409	1457	17220

THE LEAST VALUE OF 3 OCCURRED ON 01/21/85

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4201-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
42	46	43	55	66	73	80	83	79	77	67	58	46	65
43	48	51	54	63	74	82	81	82	73	64	54	47	65
44	47	53		64	75	83	79	79	77	65	54	43	65*
45	46	51	65	68	69	80	80	79	77	64	57	42	65
46	48	51	62	65	71	78	80	78	74	66	60	52	65
47	51	42	47	66	73	77	78	80	75	69	52	47	63
48	40	48	58	66	73	80	82	79	72	61	59	51	64
49	56	55	56	62	73	78	82	80	73	69	54	50	66
50	58	53	53	62	73	79	78	78	72	67	52	42	64
51	47	50	56	63	71	80	81	82	76	68	52	51	65
52	53	51	56	63	75	84	82	80	74	62	57	47	65
53	52	52	58	64	78	80	82	81	75	67	55	49	66
54	49	54	56	68	73	80	84	84	79	68	53	46	66
55	46	50	59	68	75	76	82	82	76	65	54	45	65
56	45	54	56	63	73	79	82	81	73	67	55	58	66
57	49	56	55	67	73	80	81	80	77	61	58	50	65
58	41	42	51	64	73	78	82	81	76	63	60	44	63
59	46	51	54	66	75	80	80	82	76	67	56	49	65
60	47	47	45	67	72	79	81	81	76	68	57	43	64
61	44	51	58	58	69	77	81	79	77	65	59	48	64
62	45	52	52	61	77	76	80	79	73	66	53	43	63
63	42	42	59	65	70	79	80	80	71	64	55	39	62
64	44	45	55	64	72	80	78	78	74	61	60	51	63
65	48	51	53	65	76	75	79	80	75	63	56	48	64
66	40	47	53	63	70	75	81	79	74	64	54	47	62
67	49	46	59	67	70	75	79	79	70	64	53	51	64
68	40	41	55	64	70	77	80	82	76	67	55	45	63
69	44	45	52	65	72	80	82	77	73	66	53	46	63
70	41	49	58	69	75	81	83	81	78	66	53	50	65
71	46	49	52	64	69	78	81	81	78	71	56	59	65
72	53	46	57	65	70	76	80	78	75	64	55	54	64
73	48	45	60	62	71	79	84	82	80	70	61	49	66
74	58	51	61	65	74	76	79	78	72	61	54	47	65
75	51	52	54	63	73	77	79	82	75	66	57	46	65

OPERATING LOCATION 'A'  
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +05

PERIOD OF RECORD: 4201-8903  
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
76	43	57	62	66	70	76	81	78	74	61	50	44	64
77	35	47	60	67	75	81	85	81	79	64	60	49	65
78	41	41	54	67	72	80	82	81	77	64	61	50	64
79	43	44	57	65	71	75	79	79	73	63	57	47	63
80	47	44	53	64	71	76	82	82	78	62	54	47	63
81	41	50	54	68	70	82	82	78	73	62	54	45	63
82	41	50	57	60	72	76	79	77	72	63	56	53	63
83	43	47	55	59	70	76	82	82	74	65	54	45	63
84	44	51	55	61	70	78	78	78	71	70	52	55	64
85	41	47	56	66	72	77	79	76	71	68	64	45	64
86	43	52	56	66	73	80	85	77	77	67	60	49	66
87	45	46	53	61	73	77	81	82	75	58	55	49	63
88	39	44	54	62	69	75	80	81	74	58	55	46	62
89	50	50	55										52*
.....													
MEAN	45.9	48.6	55.7	64.4	72.2	78.4	80.9	79.8	74.8	64.9	55.8	47.9	64.1
.....													
TOTAL OBS	1488	1356	1454	1410	1456	1410	1457	1457	1409	1457	1409	1457	17220
.....													

NOTE: \*THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	40.0	9.002	930	0	198	0	0	0	930
03-05	38.3	9.157	930	0	247	0	0	0	930
06-08	37.3	9.517	930	0	295	3	0	0	930
09-11	42.7	9.197	930	0	120	11	0	0	930
12-14	48.7	9.909	930	0	50	52	0	0	930
15-17	50.4	9.927	930	0	39	68	0	0	930
18-20	45.2	9.013	930	0	82	14	0	0	930
21-23	41.9	8.909	930	0	141	3	0	0	930
ALL HOURS	43.1	10.285	7440	0	1172	151	0	0	7440

MONTH: FEB

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	43.8	9.678	849	0	110	9	0	0	849
03-05	42.0	9.753	849	0	147	4	0	0	849
06-08	41.1	10.010	849	0	187	2	0	0	849
09-11	47.4	10.181	849	0	50	39	0	0	849
12-14	53.7	11.375	849	0	5	174	3	0	849
15-17	55.8	11.329	848	0	4	233	4	0	848
18-20	50.7	10.174	849	0	16	86	0	0	849
21-23	46.3	9.598	849	0	63	19	0	0	849
ALL HOURS	47.6	11.466	6791	0	582	566	7	0	6791

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	49.7	8.931	930	0	18	24	0	0	930
03-05	47.6	9.297	930	0	43	25	0	0	930
06-08	47.3	9.419	930	0	52	24	0	0	930
09-11	55.0	9.974	930	0	11	166	1	0	930
12-14	61.3	10.742	930	0	7	373	30	0	930
15-17	63.5	10.582	930	0	6	475	42	0	930
18-20	58.4	9.643	928	0	6	267	6	0	928
21-23	52.8	8.844	927	0	10	74	0	0	927
ALL HOURS	54.5	11.272	7435	0	153	1428	79	0	7435

MONTH: APR

00-02	57.1	7.458	900	0	0	159	0	0	900
03-05	54.6	7.706	900	0	3	79	0	0	900
06-08	55.8	7.916	900	0	0	131	0	0	900
09-11	65.1	8.197	900	0	0	486	38	0	900
12-14	70.9	8.957	900	0	0	689	160	0	900
15-17	72.2	8.997	900	0	0	735	201	1	900
18-20	67.0	8.320	900	0	0	556	64	0	900
21-23	60.6	7.487	900	0	0	294	1	0	900
ALL HOURS	62.9	10.411	7200	0	3	3129	464	1	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	64.4	5.684	930	0	0	524	0	0	930
03-05	62.2	5.861	930	0	0	398	0	0	930
06-08	64.5	6.072	930	0	0	523	1	0	930
09-11	73.4	6.036	930	0	0	851	148	0	930
12-14	78.6	6.398	930	0	0	915	466	3	930
15-17	79.2	6.601	930	0	0	917	497	1	930
18-20	74.3	6.362	930	0	0	871	197	0	930
21-23	67.9	5.684	930	0	0	679	5	0	930
ALL HOURS	70.6	8.712	7440	0	0	5678	1314	4	7440

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	70.9	4.901	900	0	0	817	41	0	900
03-05	68.9	4.882	900	0	0	746	7	0	900
06-08	71.3	4.968	900	0	0	819	36	0	900
09-11	79.2	5.437	900	0	0	892	432	6	900
12-14	84.2	6.044	900	0	0	894	730	64	900
15-17	84.7	6.521	900	0	0	900	715	99	900
18-20	80.1	6.180	900	0	0	897	501	17	900
21-23	74.0	4.978	900	0	0	870	117	0	900
ALL HOURS	76.7	8.026	7200	0	0	6835	2579	186	7200

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	73.8	3.937	930	0	0	920	74	0	930
03-05	72.3	3.645	930	0	0	912	23	0	930
06-08	74.1	4.068	930	0	0	922	92	0	930
09-11	81.9	5.321	930	0	0	930	646	21	930
12-14	86.8	6.026	930	0	0	930	819	138	930
15-17	86.7	6.516	930	0	0	930	812	160	930
18-20	81.7	6.158	930	0	0	927	584	35	930
21-23	76.4	4.549	930	0	0	927	227	0	930
ALL HOURS	79.2	7.462	7440	0	0	7398	3277	354	7440

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	73.0	3.829	930	0	0	899	31	0	930
03-05	71.6	3.701	930	0	0	880	1	0	930
06-08	72.7	4.220	930	0	0	893	39	0	930
09-11	80.4	5.480	930	0	0	921	555	10	930
12-14	85.4	6.186	930	0	0	924	787	103	930
15-17	85.3	6.827	930	0	0	923	747	115	930
18-20	80.0	5.820	930	0	0	921	501	16	930
21-23	75.1	4.328	930	0	0	919	141	0	930
ALL HOURS	77.9	7.408	7440	0	0	7280	2802	244	7440



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB. SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	68.0	6.215	900	0	0	660	2	0	900
03-05	66.6	6.460	900	0	0	615	1	0	900
06-08	67.2	6.603	900	0	0	628	2	0	900
09-11	75.2	6.871	900	0	0	836	258	0	900
12-14	80.4	7.168	900	0	0	879	522	29	900
15-17	80.8	7.151	900	0	0	879	529	32	900
18-20	74.8	6.654	900	0	0	831	213	1	900
21-23	70.1	6.061	900	0	0	721	25	0	900
ALL HOURS	72.9	8.542	7200	0	0	6049	1552	62	7200

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	57.8	8.151	930	0	0	212	2	0	930
03-05	56.3	8.459	930	0	0	169	0	0	930
06-08	56.7	8.363	930	0	0	182	2	0	930
09-11	65.4	8.009	930	0	0	500	30	0	930
12-14	71.2	8.218	930	0	0	731	145	9	930
15-17	71.7	8.066	930	0	0	765	154	9	930
18-20	64.2	7.810	930	0	0	476	19	0	930
21-23	59.7	7.946	930	0	0	302	6	0	930
ALL HOURS	62.9	10.023	7440	0	0	3337	358	18	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	51.4	9.470	900	0	9	88	0	0	900
03-05	50.1	9.995	900	0	21	78	0	0	900
06-08	49.6	10.210	900	0	28	78	0	0	900
09-11	57.3	8.820	900	0	0	211	0	0	900
12-14	63.7	8.583	900	0	0	438	13	0	900
15-17	63.9	8.331	900	0	0	441	13	0	900
18-20	56.8	8.229	900	0	0	183	0	0	900
21-23	53.2	9.012	899	0	4	108	0	0	899
ALL HOURS	55.7	10.534	7199	0	62	1625	26	0	7199

MONTH: DEC

00-02	43.9	9.928	929	0	122	19	0	0	929
03-05	42.6	10.174	930	0	158	15	0	0	930
06-08	41.7	10.389	930	0	194	11	0	0	930
09-11	47.9	10.135	930	0	58	66	0	0	930
12-14	54.6	10.627	930	0	15	181	0	0	930
15-17	55.5	10.374	930	0	10	194	0	0	930
18-20	49.1	9.536	930	0	34	60	0	0	930
21-23	45.8	9.754	930	0	79	27	0	0	930
ALL HOURS	47.7	11.251	7439	0	670	573	0	0	7439

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	57.9	13.878	10958	0	457	4331	150	0	10958
03-05	56.1	14.002	10959	0	619	3921	32	0	10959
06-08	56.7	14.960	10959	0	756	4216	172	0	10959
09-11	64.3	15.604	10959	0	239	5909	2108	37	10959
12-14	70.0	15.440	10959	0	77	7180	3675	346	10959
15-17	70.9	14.979	10958	0	59	7460	3714	417	10958
18-20	65.2	14.835	10957	0	138	6089	2085	69	10957
21-23	60.4	14.011	10955	0	297	4943	522	0	10955
ALL HOURS	62.7	15.703	87664	0	2642	44049	12458	869	87664

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	35.9	9.176	930	335	70	0	0	0	930
03-05	34.6	9.421	929	390	63	0	0	0	929
06-08	34.0	9.851	930	419	70	0	0	0	930
09-11	37.6	9.344	930	255	87	1	0	0	930
12-14	41.0	9.126	930	162	148	3	0	0	930
15-17	41.9	8.930	930	142	156	3	0	0	930
18-20	39.1	8.918	930	208	110	0	0	0	930
21-23	37.1	9.055	930	277	83	0	0	0	930
ALL HOURS	37.6	9.619	7439	2188	787	7	0	0	7439

MONTH: FEB

00-02	39.5	10.079	849	233	155	0	0	0	849
03-05	38.2	10.258	849	277	144	0	0	0	849
06-08	37.7	10.525	849	307	147	0	0	0	849
09-11	41.7	10.333	849	187	203	0	0	0	849
12-14	44.9	10.292	849	92	275	4	0	0	849
15-17	45.8	9.807	848	71	286	8	0	0	848
18-20	43.4	9.593	849	109	234	0	0	0	849
21-23	41.1	9.716	849	176	178	0	0	0	849
ALL HOURS	41.5	10.459	6791	1452	1627	12	0	0	6791

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	45.1	9.538	930	78	316	0	0	0	930
03-05	43.6	9.839	930	129	274	0	0	0	930
06-08	43.4	9.911	930	120	276	0	0	0	930
09-11	47.8	9.658	930	45	404	14	0	0	930
12-14	50.8	9.319	930	18	512	34	0	0	930
15-17	51.6	8.870	930	12	554	33	0	0	930
18-20	49.5	8.883	928	26	454	7	0	0	928
21-23	47.0	9.107	927	51	375	0	0	0	927
ALL HOURS	47.3	9.858	7435	479	3165	88	0	0	7435

MONTH: APR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	51.6	7.975	900	9	530	2	0	0	900
03-05	50.1	8.365	900	14	469	3	0	0	900
06-08	51.0	8.466	900	10	506	4	0	0	900
09-11	55.5	8.020	900	0	668	53	0	0	900
12-14	57.4	7.553	900	0	762	90	2	0	900
15-17	57.7	7.056	899	0	782	79	2	0	899
18-20	55.7	7.165	900	0	711	34	3	0	900
21-23	53.4	7.626	900	3	590	17	0	0	900
ALL HOURS	54.1	8.242	7199	36	5018	282	7	0	7199

OPERATING LOCATION: "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900 STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	59.8	6.519	930	0	858	158	4	0	930
03-05	58.6	6.818	930	0	807	109	0	0	930
06-08	60.1	6.905	930	0	841	189	4	0	930
09-11	64.0	6.381	930	0	907	391	60	0	930
12-14	65.2	6.064	930	0	925	451	93	0	930
15-17	65.1	5.815	930	0	926	428	81	0	930
18-20	63.8	5.874	929	0	919	358	38	0	929
21-23	61.7	6.158	930	0	894	236	10	0	930
ALL HOURS	62.3	6.784	7439	0	7077	2320	290	0	7439

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	66.4	4.832	900	0	898	502	53	0	900
03-05	65.3	5.074	900	0	895	444	25	0	900
06-08	66.7	5.042	900	0	899	547	71	0	900
09-11	69.9	4.811	899	0	899	690	300	2	899
12-14	71.0	4.782	900	0	900	732	419	6	900
15-17	70.7	4.493	900	0	900	741	383	5	900
18-20	69.5	4.342	899	0	899	691	259	0	899
21-23	67.7	4.497	900	0	900	595	108	0	900
ALL HOURS	68.4	5.137	7198	0	7190	4942	1618	13	7198

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	70.0	3.233	930	0	930	791	192	0	930
03-05	69.1	3.355	930	0	930	756	107	0	930
06-08	70.1	3.467	930	0	930	795	227	1	930
09-11	73.2	3.692	930	0	930	868	625	12	930
12-14	74.3	3.573	930	0	930	897	688	29	930
15-17	73.8	3.357	930	0	930	897	670	17	930
18-20	72.6	3.284	930	0	930	890	541	0	930
21-23	71.1	3.214	930	0	930	843	333	1	930
ALL HOURS	71.8	3.882	7440	0	7440	6737	3383	60	7440

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	69.7	3.851	930	0	930	767	236	0	930
03-05	68.9	3.942	930	0	930	716	125	0	930
06-08	69.5	4.031	930	0	930	744	220	1	930
09-11	72.6	4.039	930	0	930	845	589	2	930
12-14	73.7	3.906	930	0	930	883	654	17	930
15-17	73.2	3.696	930	0	930	879	609	12	930
18-20	72.1	3.692	930	0	930	863	499	1	930
21-23	70.7	3.692	930	0	930	809	332	0	930
ALL HOURS	71.3	4.244	7440	0	7440	6506	3264	33	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	64.5	6.621	900	0	875	451	42	0	900
03-05	63.4	6.898	900	0	855	398	24	0	900
06-08	63.8	6.972	900	0	861	421	46	0	900
09-11	67.4	6.398	900	0	899	558	243	0	900
12-14	68.9	6.029	900	0	900	622	318	2	900
15-17	68.7	5.713	900	0	900	627	294	2	900
18-20	67.3	5.889	900	0	900	572	174	0	900
21-23	65.6	6.263	900	0	897	495	82	0	900
ALL HOURS	66.2	6.655	7200	0	7087	4144	1223	4	7200

MONTH: OCT

00-02	54.0	8.734	930	2	611	84	3	0	930
03-05	52.9	9.070	930	1	571	84	2	0	930
06-08	53.2	8.984	930	2	584	85	4	0	930
09-11	57.7	8.416	928	0	750	170	29	0	928
12-14	59.8	7.945	930	0	823	217	48	0	930
15-17	59.8	7.592	930	0	855	202	34	0	930
18-20	57.4	7.874	930	0	754	137	10	0	930
21-23	55.2	8.273	930	0	650	100	1	0	930
ALL HOURS	56.2	8.750	7438	5	5598	1079	131	0	7438



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	47.4	10.227	900	63	380	15	0	0	900
03-05	46.5	10.658	900	97	351	14	0	0	900
06-08	46.2	10.831	900	104	343	12	0	0	900
09-11	50.9	9.681	900	19	475	44	2	0	900
12-14	53.8	9.134	899	4	584	84	6	0	899
15-17	53.8	8.794	900	0	592	76	3	0	900
18-20	50.8	9.176	900	8	475	26	1	0	900
21-23	48.6	9.762	899	30	412	18	0	0	899
ALL HOURS	49.7	10.204	7198	325	3612	289	12	0	7198

MONTH: DEC

00-02	39.8	10.403	929	237	157	2	0	0	929
03-05	38.8	10.572	930	284	148	1	0	0	930
06-08	38.2	10.808	930	304	144	1	0	0	930
09-11	42.3	10.560	930	150	222	5	0	0	930
12-14	45.8	10.340	930	78	302	16	0	0	930
15-17	46.3	10.045	930	67	324	10	0	0	930
18-20	43.1	9.983	929	128	246	0	0	0	929
21-23	41.2	10.216	930	188	190	0	0	0	930
ALL HOURS	41.9	10.777	7438	1436	1733	35	0	0	7438

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	53.7	14.253	10958	957	6710	2772	530	0	10958
03-05	52.6	14.477	10958	1192	6437	2525	283	0	10958
06-08	52.9	15.068	10959	1266	6531	2798	572	2	10959
09-11	56.8	14.568	10956	656	7379	3639	1848	16	10956
12-14	58.9	13.654	10958	354	7991	4033	2228	54	10958
15-17	59.1	13.106	10957	297	8135	3983	2076	36	10957
18-20	57.1	13.662	10954	470	7562	3578	1525	1	10954
21-23	55.1	13.989	10955	725	7029	3113	866	1	10955
ALL HOURS	55.8	14.316	87655	5921	57774	26441	9928	110	87655

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	28.6	12.914	930	436	242	914	0	930
03-05	27.9	12.960	929	457	237	911	0	929
06-08	27.7	13.267	930	453	230	909	0	930
09-11	29.2	13.812	930	398	269	902	2	930
12-14	29.3	14.490	930	396	299	902	2	930
15-17	29.2	14.560	930	405	291	898	2	930
18-20	29.5	13.550	930	393	275	899	0	930
21-23	29.2	13.003	930	417	265	905	0	930
ALL HOURS	28.8	13.615	7439	3355	2108	7240	6	7439

MONTH: FEB

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	32.8	13.601	849	326	314	798	0	849
03-05	32.1	13.650	849	344	301	810	0	849
06-08	31.9	13.733	849	350	309	809	0	849
09-11	33.3	14.666	849	294	342	778	0	849
12-14	33.4	15.092	849	312	344	777	2	849
15-17	32.9	15.086	848	328	338	783	1	849
18-20	33.4	14.234	849	311	344	794	0	849
21-23	33.7	13.356	849	293	331	795	0	849
ALL HOURS	32.9	14.223	6791	2558	2623	6344	3	6791

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	39.2	12.835	930	191	507	825	0	930
03-05	38.4	12.843	930	208	501	839	0	930
06-08	38.1	12.892	930	213	504	839	1	930
09-11	39.3	13.668	930	212	529	797	10	930
12-14	39.3	13.689	930	198	527	797	13	930
15-17	38.9	13.751	930	222	517	804	9	930
18-20	39.6	13.144	928	186	524	807	6	928
21-23	40.1	12.540	927	169	535	810	0	927
ALL HOURS	39.1	13.202	7435	1599	4144	6518	39	7435

MONTH: APR

00-02	46.1	11.000	900	49	705	686	12	900
03-05	45.4	11.092	900	55	697	695	9	900
06-08	46.0	11.280	900	52	706	661	15	900
09-11	46.5	12.389	900	76	684	615	27	900
12-14	45.4	12.394	900	72	656	679	26	900
15-17	44.7	12.167	899	73	651	703	26	900
18-20	45.3	11.777	900	74	683	700	13	900
21-23	46.6	10.957	900	47	724	684	13	900
ALL HOURS	45.8	11.672	7199	498	5506	5423	141	7199

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	56.3	8.631	930	1	912	400	184	930
03-05	55.7	8.825	930	5	911	403	163	930
06-08	56.7	9.126	930	3	906	368	223	930
09-11	57.4	9.655	930	5	900	336	253	930
12-14	56.1	9.935	930	6	899	384	229	930
15-17	55.4	10.051	930	7	893	419	195	930
18-20	56.4	9.489	929	4	905	387	213	929
21-23	57.2	8.423	930	0	922	364	213	930
ALL HOURS	56.4	9.319	7439	31	7248	3061	1673	7439

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	63.7	6.040	900	0	900	108	485	900
03-05	63.1	6.224	900	0	900	128	464	900
06-08	64.0	6.178	900	0	900	102	529	900
09-11	64.7	6.800	899	0	899	99	570	900
12-14	63.8	7.185	900	0	900	136	520	900
15-17	63.2	7.090	900	0	900	144	489	900
18-20	63.6	6.555	899	0	899	124	497	900
21-23	64.0	5.941	900	0	900	95	515	900
ALL HOURS	63.8	6.564	7198	0	7198	936	4069	7198

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	67.9	3.954	930	0	930	10	766	930
03-05	67.4	3.977	930	0	930	9	747	930
06-08	68.0	4.120	930	0	930	11	779	930
09-11	69.1	4.577	930	0	930	12	793	930
12-14	68.4	4.737	930	0	930	17	761	930
15-17	67.6	4.847	930	0	930	22	727	930
18-20	68.1	4.423	930	0	930	14	768	930
21-23	68.4	3.894	930	0	930	12	791	930
ALL HOURS	68.1	4.410	7440	0	7440	107	6132	7440

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	68.0	4.401	930	0	930	16	764	930
03-05	67.4	4.608	930	0	930	25	730	930
06-08	67.8	4.527	930	0	930	21	757	930
09-11	68.8	4.939	930	0	930	22	779	930
12-14	68.1	5.003	930	0	930	25	747	930
15-17	67.3	4.965	930	0	930	26	721	930
18-20	68.3	4.557	930	0	930	12	762	930
21-23	68.4	4.306	930	0	930	12	774	930
ALL HOURS	68.0	4.744	7440	0	7440	157	6034	7440

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	62.2	7.696	900	0	900	187	449	900
03-05	61.3	7.917	900	0	900	217	412	900
06-08	61.6	8.107	900	0	900	222	430	900
09-11	62.8	8.299	900	0	899	189	486	900
12-14	62.2	8.363	900	0	898	206	451	900
15-17	61.8	8.223	900	0	900	211	414	900
18-20	63.0	7.467	900	0	900	174	471	900
21-23	62.8	7.490	900	0	900	171	476	900
ALL HOURS	62.2	7.995	7200	0	7197	1577	3589	7200

MONTH: OCT

00-02	50.6	10.435	930	5	843	607	108	930
03-05	49.7	10.760	930	8	808	627	98	930
06-08	49.9	10.736	930	9	821	617	100	930
09-11	51.3	11.555	928	13	818	550	147	930
12-14	50.6	11.644	930	14	802	572	126	930
15-17	50.2	11.482	930	18	801	585	112	930
18-20	51.9	10.218	930	6	872	551	120	930
21-23	51.3	9.985	930	1	873	581	109	930
ALL HOURS	50.7	10.911	7438	74	6638	4698	920	7438

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW-POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	42.6	13.214	900	152	596	712	21	900
03-05	42.0	13.384	900	154	573	719	17	900
06-08	42.0	13.374	900	142	566	707	20	900
09-11	43.8	13.932	900	141	616	684	39	900
12-14	43.5	14.617	899	167	611	673	43	899
15-17	43.3	14.456	900	170	609	675	33	900
18-20	44.2	13.019	900	110	632	684	20	900
21-23	43.3	12.893	899	118	604	707	23	899
ALL HOURS	43.1	13.653	7198	1154	4807	5561	216	7198

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	33.4	13.902	929	318	366	857	3	930
03-05	32.8	13.822	930	345	359	873	1	930
06-08	32.4	13.885	930	351	345	876	2	930
09-11	34.3	14.762	930	316	396	840	4	930
12-14	34.4	15.567	930	341	401	827	3	930
15-17	34.3	15.582	930	338	408	845	4	930
18-20	34.7	14.515	929	305	414	856	0	930
21-23	34.2	14.031	930	306	401	861	0	930
ALL HOURS	33.8	14.563	7438	2620	3090	6835	17	7438



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	49.3	17.206	10958	1478	8145	6120	2792	10958
03-5	48.7	17.284	10958	1576	8047	6254	2641	10958
06-08	48.9	17.639	10959	1573	8047	6142	2856	10959
09-11	50.1	17.866	10956	1455	8212	5832	3110	10956
12-14	49.6	17.811	10958	1506	8197	5995	2923	10958
15-17	49.1	17.653	10957	1561	8168	6115	2733	10957
18-20	49.9	17.234	10954	1389	8308	6002	2870	10954
21-23	50.0	17.034	10955	1351	8315	5997	2914	10955
ALL HOURS	49.5	17.475	87655	11889	65439	48457	22839	87655

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO								TOTAL OBS
			30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	97.5	88.5	74.5	59.9	41.0	25.4	7.2	64.0	930
03-05	100.0	100.0	98.8	90.7	79.1	63.1	45.3	28.6	8.5	66.1	929
06-08	100.0	100.0	98.7	93.0	81.2	68.5	50.3	30.0	10.0	67.8	930
09-11	100.0	100.0	93.1	78.3	63.4	50.2	37.6	24.1	8.2	60.1	930
12-14	100.0	95.9	77.0	58.3	45.4	34.2	27.4	15.5	5.3	50.2	930
15-17	100.0	93.3	69.9	52.6	40.2	30.8	24.5	15.2	4.7	47.5	930
18-20	100.0	99.1	89.0	72.5	55.6	44.6	32.2	18.2	4.8	56.1	930
21-23	100.0	99.8	95.1	84.0	69.8	54.2	38.0	21.5	6.8	61.5	930
ALL HOURS	100.0	98.5	89.9	77.2	63.7	50.7	37.0	22.3	6.9	61.5	7439

MONTH: FEB

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	98.1	88.6	78.0	62.9	46.4	27.4	11.1	65.8	849
03-05	100.0	100.0	99.1	93.9	79.7	66.5	50.8	30.9	12.2	68.0	849
06-08	100.0	100.0	99.6	94.9	83.2	70.1	54.1	33.2	13.3	69.5	849
09-11	100.0	99.8	94.0	77.5	63.1	49.5	35.9	22.7	8.8	59.7	849
12-14	100.0	96.6	76.7	58.0	43.5	30.5	22.0	13.3	4.8	49.1	849
15-17	99.8	91.5	69.1	51.9	37.3	26.9	20.3	12.6	4.6	45.7	848
18-20	100.0	97.1	85.3	70.1	54.1	40.3	28.3	17.0	7.5	54.5	849
21-23	100.0	99.9	95.8	85.3	73.6	57.4	39.0	22.6	8.5	62.8	849
ALL HOURS	100.0	98.1	89.7	77.5	64.1	50.5	37.1	22.5	8.9	62.8	6791

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	98.5	93.2	84.4	68.7	50.5	34.0	11.1	68.3	930
03-05	100.0	100.0	99.8	96.1	86.2	75.7	57.2	37.8	13.1	71.1	930
06-08	100.0	100.0	99.6	97.4	85.3	75.3	56.8	37.6	13.7	71.1	930
09-11	100.0	99.5	93.5	77.1	61.8	47.3	32.3	19.8	5.4	58.1	930
12-14	100.0	96.6	78.0	57.7	40.0	27.0	18.7	11.4	2.3	47.7	930
15-17	100.0	92.3	68.9	49.5	34.3	24.6	16.2	7.6	1.5	44.0	930
18-20	100.0	98.2	85.3	68.3	51.6	37.5	24.9	14.5	3.0	52.9	928
21-23	100.0	99.9	96.8	89.8	75.6	58.3	41.0	24.7	7.1	63.7	927
ALL HOURS	100.0	98.3	90.0	78.6	64.9	51.8	37.2	23.4	7.1	63.7	7435

MONTH: APR

00-02	100.0	100.0	99.6	92.6	83.0	70.3	53.6	31.7	12.3	68.5	900
03-05	100.0	100.0	99.8	97.1	89.2	77.7	60.8	41.2	17.3	72.7	900
06-08	100.0	100.0	99.6	96.3	87.0	73.4	58.2	38.9	15.2	71.3	900
09-11	100.0	99.4	90.3	72.4	52.9	37.2	23.3	13.6	5.1	53.8	900
12-14	100.0	96.2	73.9	47.4	31.3	21.1	13.7	7.3	2.3	43.6	900
15-17	100.0	93.0	64.4	39.8	27.8	21.8	13.8	7.2	2.0	41.3	899
18-20	100.0	97.4	82.1	61.2	42.1	29.7	21.1	13.3	4.9	49.6	900
21-23	100.0	100.0	97.2	87.9	74.0	55.4	36.3	20.8	9.2	62.3	900
ALL HOURS	100.0	98.3	88.4	74.4	60.9	48.1	35.1	21.8	8.6	62.3	7199

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	98.8	95.7	87.0	69.8	43.8	20.5	75.9	930
03-05	100.0	100.0	99.9	99.1	96.9	92.5	80.0	58.3	31.0	80.0	930
06-08	100.0	100.0	99.8	98.5	94.8	86.2	72.4	51.6	26.3	77.3	930
09-11	100.0	99.7	97.7	88.7	71.5	48.7	27.7	10.6	4.1	59.4	930
12-14	100.0	99.5	90.5	67.2	41.6	23.3	10.5	4.0	1.0	48.2	930
15-17	100.0	98.8	84.9	59.4	36.7	21.9	13.7	6.3	1.5	46.8	930
18-20	100.0	99.7	94.8	80.8	60.4	40.4	26.0	14.0	4.6	56.5	929
21-23	100.0	100.0	99.9	97.5	91.9	75.2	52.2	27.5	11.0	70.0	930
ALL HOURS	100.0	99.7	96.0	86.3	73.7	59.4	44.0	27.0	12.5	70.0	7439

MONTH: JUN

0-02	100.0	100.0	100.0	100.0	98.2	91.8	79.6	53.6	19.6	78.7	900
03-05	100.0	100.0	100.0	99.9	99.1	95.6	86.3	67.0	29.1	82.2	900
06-08	100.0	100.0	100.0	100.0	99.1	92.1	77.6	52.3	22.8	78.8	900
09-11	100.0	100.0	99.8	95.9	82.3	58.1	30.1	11.9	1.8	62.7	899
12-14	100.0	100.0	97.6	82.1	54.9	24.7	11.2	3.3	.7	52.2	900
15-17	100.0	100.0	94.9	76.7	45.7	25.1	13.1	6.8	2.1	50.9	900
18-20	100.0	100.0	98.6	89.3	69.7	47.3	26.6	13.3	5.3	59.4	899
21-23	100.0	100.0	100.0	99.7	94.4	82.7	56.7	28.9	11.0	72.1	900
ALL HOURS	100.0	100.0	98.8	92.9	80.4	64.7	47.7	29.6	11.5	72.1	7198

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: - 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	100.0	99.7	97.5	89.0	60.8	30.2	82.4	930
03-05	100.0	100.0	100.0	100.0	99.9	98.8	94.1	72.3	40.9	85.1	930
06-08	100.0	100.0	100.0	100.0	99.6	98.0	87.8	59.1	29.5	82.1	930
09-11	100.0	100.0	100.0	98.9	93.2	71.0	38.5	12.6	3.5	66.5	930
12-14	100.0	100.0	99.1	91.6	67.8	32.4	14.6	4.0	.9	55.7	930
15-17	100.0	100.0	98.4	87.1	61.0	33.2	16.9	5.9	1.7	55.1	930
18-20	100.0	100.0	99.8	96.1	85.2	63.3	40.5	17.7	7.2	65.5	930
21-23	100.0	100.0	100.0	100.0	98.9	93.2	74.8	39.5	18.2	77.3	930
ALL HOURS	100.0	100.0	99.7	96.7	88.2	73.4	57.0	34.0	16.5	77.3	7440

MONTH: AUG

00-02	100.0	100.0	100.0	100.0	100.0	99.6	95.1	73.3	35.7	84.8	930
03-05	100.0	100.0	100.0	100.0	100.0	99.8	97.7	84.0	44.0	86.9	930
06-08	100.0	100.0	100.0	100.0	100.0	99.7	94.1	74.0	38.0	85.3	930
09-11	100.0	100.0	100.0	99.5	96.2	77.6	45.8	17.6	5.6	68.9	930
12-14	100.0	100.0	99.7	94.6	74.3	39.1	15.2	6.8	2.5	57.7	930
15-17	100.0	100.0	99.0	90.9	66.6	34.7	19.0	9.8	3.2	56.9	930
18-20	100.0	100.0	99.9	98.3	91.9	72.4	48.2	23.9	8.9	69.0	930
21-23	100.0	100.0	100.0	100.0	99.8	97.4	85.8	52.5	23.2	80.5	930
ALL HOURS	100.0	100.0	99.8	97.9	91.1	77.5	62.6	42.7	20.1	80.5	7440

OPERATING LOCATION: "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	100.0	99.6	98.1	90.4	66.3	25.7	82.1	900
03-05	100.0	100.0	100.0	100.0	99.7	98.0	92.3	73.8	29.4	83.5	900
06-08	100.0	100.0	100.0	100.0	99.7	96.8	89.9	69.2	29.0	82.6	900
09-11	100.0	100.0	99.9	97.9	87.6	63.0	42.0	21.2	7.1	66.9	900
12-14	100.0	100.0	98.9	87.4	61.7	34.2	19.0	8.9	2.0	55.7	900
15-17	100.0	100.0	98.0	81.1	57.1	32.8	18.9	9.9	3.0	54.7	900
18-20	100.0	100.0	99.9	98.5	89.6	70.8	46.0	22.0	6.8	68.1	900
21-23	100.0	100.0	100.0	100.0	99.3	95.0	79.6	47.7	16.1	78.2	900
ALL HOURS	100.0	100.0	99.6	95.6	86.8	74.2	59.8	39.9	14.9	78.2	7200

MONTH: OCT

00-02	100.0	100.0	100.0	99.4	97.2	92.9	76.5	49.4	17.7	77.5	930
03-05	100.0	100.0	100.0	100.0	98.1	94.2	79.6	54.5	19.1	78.8	930
06-08	100.0	100.0	100.0	99.9	98.1	92.2	78.1	53.3	20.1	78.6	930
09-11	100.0	100.0	99.1	91.1	73.2	53.8	35.8	20.6	7.3	62.4	928
12-14	100.0	99.8	93.2	67.6	45.7	28.4	15.5	8.1	2.3	50.5	930
15-17	100.0	99.5	91.0	63.0	43.4	25.9	15.4	8.5	2.3	49.3	930
18-20	100.0	100.0	99.4	95.8	84.2	65.1	43.4	20.4	6.9	65.8	930
21-23	100.0	100.0	100.0	98.9	96.6	87.1	70.3	37.8	12.0	74.6	930
ALL HOURS	100.0	99.9	97.8	89.5	79.6	67.4	51.8	31.6	11.0	74.6	7438

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	99.0	95.0	90.3	79.4	63.6	46.1	11.7	72.9	900
03-05	100.0	100.0	99.7	97.2	91.7	83.4	66.8	48.2	15.0	74.5	900
06-08	100.0	100.0	99.9	98.2	93.9	84.6	67.6	50.4	16.0	75.6	900
09-11	100.0	99.0	95.4	86.7	71.8	57.4	42.2	26.6	7.7	63.1	900
12-14	100.0	95.8	85.3	66.9	48.7	34.3	20.6	10.8	4.2	51.0	899
15-17	100.0	96.0	83.7	65.2	47.7	34.0	19.1	11.9	4.4	50.6	900
18-20	100.0	99.9	97.2	89.4	76.0	61.8	44.7	24.4	7.2	64.6	900
21-23	100.0	100.0	98.3	94.5	82.5	73.6	57.3	38.2	9.1	70.4	899
ALL HOURS	100.0	98.8	94.8	86.6	75.1	63.6	47.7	32.1	9.4	70.4	7198

MONTH: DEC

00-02	100.0	100.0	98.6	93.5	81.3	63.2	47.5	29.4	8.5	66.8	929
03-05	100.0	100.0	99.5	95.1	85.6	67.0	48.4	31.3	10.1	68.4	930
06-08	100.0	100.0	99.6	97.1	87.1	69.5	49.9	32.5	11.5	69.5	930
09-11	100.0	100.0	96.9	82.6	66.0	50.1	35.7	23.3	7.2	60.6	930
12-14	100.0	98.3	80.6	56.9	41.6	29.8	21.1	14.1	3.5	48.9	930
15-17	100.0	96.1	75.2	55.8	39.8	27.3	19.7	12.6	3.0	47.4	930
18-20	100.0	99.5	94.2	80.2	64.5	49.7	33.0	18.6	4.2	58.9	929
21-23	100.0	99.7	98.1	89.9	78.9	60.6	43.5	25.1	7.2	64.7	930
ALL HOURS	100.0	99.2	92.8	81.4	68.1	52.2	37.3	23.4	6.9	64.7	7438

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	99.3	95.8	90.2	81.0	67.0	45.2	17.7	74.0	10958
03-05	100.0	100.0	99.7	97.4	92.2	84.4	71.7	52.4	22.6	76.5	10958
06-08	100.0	100.0	99.7	98.0	92.4	83.9	69.8	48.6	20.5	75.8	10959
09-11	100.0	99.8	96.7	87.3	73.7	55.8	35.6	18.7	6.0	61.9	10956
12-14	100.0	98.2	87.6	69.7	49.8	29.9	17.4	8.9	2.6	50.9	10958
15-17	100.0	96.7	83.2	64.5	44.8	28.3	17.5	9.5	2.8	49.2	10957
18-20	100.0	99.3	93.8	83.5	68.8	52.0	34.6	18.1	5.9	60.1	10954
21-23	100.0	99.9	98.4	94.0	86.9	74.1	56.3	32.3	11.6	69.9	10955
ALL HOURS	100.0	99.2	94.8	86.3	74.9	61.2	46.5	29.2	11.2	64.8	87655



PPPPPPP	AAAAA	RRRRRRR	TTTTTTTTT	FFFFFFFFF
PPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	FFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPP	AA AA	RRRRRRR	TT	FFFFF
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	FFFFF
PP	AAAAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AIR ST  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	1019.9	1019.1	1017.2	1015.4	1015.9	1016.0	1017.1	1017.1	1018.0	1019.4	1019.7	1021.1	1018.0
	SD	6.694	7.657	7.495	5.995	4.208	3.919	3.190	3.331	4.377	4.938	6.102	6.310	5.819
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
0400	MEAN	1019.8	1018.8	1016.7	1015.1	1015.6	1015.7	1016.6	1016.7	1017.6	1019.1	1019.5	1021.1	1017.7
	SD	6.774	7.696	7.553	6.091	4.297	3.859	3.194	3.384	4.472	5.006	6.168	6.351	5.896
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
0700	MEAN	1020.4	1019.7	1017.8	1016.3	1016.8	1016.8	1017.7	1017.8	1018.7	1020.2	1020.3	1021.8	1018.7
	SD	7.069	7.756	7.826	6.283	4.424	3.976	3.173	3.435	4.487	5.131	6.298	6.448	5.971
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
1000	MEAN	1021.7	1020.8	1018.6	1016.8	1017.2	1017.2	1018.2	1018.3	1019.5	1021.0	1021.2	1023.0	1019.5
	SD	7.204	7.919	8.017	6.458	4.537	4.064	3.173	3.522	4.515	5.217	6.400	6.624	6.168
	TOT OBS	310	282	310	300	310	300	310	309	300	310	300	310	3651
1300	MEAN	1019.8	1019.3	1017.1	1015.3	1016.0	1016.2	1017.3	1017.3	1018.2	1019.4	1019.3	1021.0	1018.0
	SD	7.255	7.783	7.871	6.406	4.458	4.056	3.186	3.513	4.423	5.158	6.389	6.636	6.040
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
1600	MEAN	1018.8	1017.7	1015.5	1013.7	1014.5	1014.8	1015.9	1015.8	1016.7	1018.3	1018.5	1020.1	1016.7
	SD	7.064	7.741	7.544	6.215	4.329	3.960	3.236	3.489	4.358	5.115	6.109	6.426	5.971
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
1900	MEAN	1019.7	1018.5	1016.1	1014.0	1014.8	1014.9	1016.1	1016.1	1017.1	1019.0	1019.3	1021.0	1017.2
	SD	6.854	7.633	7.399	5.997	4.120	3.812	3.146	3.356	4.273	5.082	5.986	6.316	5.931
	TOT OBS	310	283	309	300	310	300	310	310	300	310	300	310	3652
2200	MEAN	1020.3	1019.3	1017.3	1015.3	1016.1	1016.2	1017.4	1017.4	1018.3	1019.9	1019.9	1021.6	1018.2
	SD	6.737	7.638	7.327	5.945	4.093	3.830	3.142	3.337	4.310	5.036	5.975	6.335	5.808
	TOT OBS	310	283	309	300	310	300	310	310	300	310	300	310	3652
ALL HOURS	MEAN	1020.0	1019.1	1017.0	1015.2	1015.9	1016.0	1017.0	1017.1	1018.0	1019.5	1019.7	1021.3	1018.0
	SD	7.002	7.773	7.687	6.252	4.397	4.016	3.264	3.509	4.477	5.145	6.226	6.480	6.005
	TOT OBS	2480	2263	2478	2400	2480	2400	2480	2479	2400	2480	2400	2480	29220

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	30.12	30.10	30.04	29.99	30.01	30.01	30.04	30.05	30.07	30.11	30.12	30.15	30.07
	SD	.196	.224	.221	.176	.123	.114	.094	.098	.128	.144	.179	.185	.170
	TOT OBS	310	285	310	300	310	300	310	310	300	310	300	310	3653
0400	MEAN	30.11	30.09	30.02	29.98	30.00	30.00	30.03	30.03	30.06	30.10	30.11	30.15	30.06
	SD	.198	.225	.223	.179	.126	.114	.094	.099	.131	.146	.181	.186	.172
	TOT OBS	310	283	310	300	310	300	310	310	300	310	299	310	3652
0700	MEAN	30.13	30.11	30.06	30.01	30.03	30.04	30.06	30.06	30.09	30.13	30.13	30.17	30.09
	SD	.207	.227	.230	.185	.130	.117	.093	.100	.131	.150	.184	.188	.174
	TOT OBS	310	283	310	300	310	300	310	309	300	310	300	310	3652
1000	MEAN	30.17	30.14	30.08	30.03	30.05	30.05	30.08	30.08	30.11	30.16	30.16	30.21	30.11
	SD	.211	.232	.235	.190	.133	.119	.093	.103	.132	.153	.188	.193	.180
	TOT OBS	310	282	310	299	310	300	310	310	300	310	300	310	3651
1300	MEAN	30.11	30.10	30.04	29.99	30.01	30.02	30.05	30.05	30.08	30.11	30.10	30.15	30.07
	SD	.212	.227	.232	.188	.130	.119	.093	.103	.129	.151	.189	.194	.176
	TOT OBS	310	283	310	299	310	300	310	310	300	310	299	310	3651
1600	MEAN	30.08	30.06	29.99	29.94	29.97	29.98	30.01	30.01	30.03	30.07	30.08	30.12	30.03
	SD	.207	.226	.222	.183	.127	.116	.094	.102	.128	.150	.180	.188	.174
	TOT OBS	310	283	310	300	310	300	310	309	300	310	300	310	3652
1900	MEAN	30.11	30.08	30.01	29.95	29.97	29.98	30.02	30.02	30.04	30.10	30.10	30.15	30.04
	SD	.201	.223	.217	.177	.120	.112	.092	.098	.125	.148	.175	.184	.173
	TOT OBS	310	283	309	300	310	300	310	310	300	310	300	310	3652
2200	MEAN	30.13	30.10	30.04	29.99	30.01	30.02	30.05	30.05	30.08	30.12	30.12	30.17	30.07
	SD	.197	.223	.215	.175	.120	.112	.091	.097	.126	.147	.175	.185	.169
	TOT OBS	310	283	309	300	310	300	310	310	300	310	300	310	3652
ALL HOURS	MEAN	30.12	30.10	30.04	29.98	30.01	30.01	30.04	30.04	30.07	30.11	30.11	30.1	30.07
	SD	.205	.227	.226	.184	.129	.118	.095	.103	.131	.150	.183	.189	.175
	TOT OBS	2480	2263	2478	2398	2480	2400	2480	2478	2400	2480	2398	2480	29215

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	29.85	29.83	29.78	29.73	29.74	29.75	29.78	29.78	29.81	29.85	29.85	29.89	29.80
	SD	.192	.220	.218	.174	.123	.113	.093	.097	.126	.141	.175	.181	.167
	TOT OBS	310	283	310	300	310	300	310	310	300	310	300	310	3653
0400	MEAN	29.85	29.82	29.76	29.72	29.74	29.74	29.77	29.77	29.80	29.84	29.84	29.89	29.80
	SD	.195	.221	.220	.177	.125	.113	.093	.098	.129	.143	.177	.182	.169
	TOT OBS	310	283	310	300	310	300	310	310	300	310	299	310	3652
0700	MEAN	29.87	29.85	29.79	29.75	29.77	29.77	29.80	29.80	29.83	29.87	29.87	29.91	29.82
	SD	.203	.223	.226	.183	.128	.115	.091	.099	.128	.146	.181	.184	.171
	TOT OBS	310	283	310	300	310	300	310	309	300	310	300	310	3652
1000	MEAN	29.90	29.88	29.82	29.77	29.78	29.79	29.82	29.82	29.85	29.89	29.89	29.94	29.85
	SD	.207	.228	.231	.187	.131	.117	.091	.101	.129	.149	.184	.189	.176
	TOT OBS	310	282	310	299	310	300	310	310	300	310	300	310	3651
1300	MEAN	29.85	29.84	29.78	29.73	29.75	29.76	29.79	29.79	29.81	29.84	29.84	29.88	29.80
	SD	.209	.223	.228	.186	.129	.117	.092	.101	.126	.147	.185	.190	.173
	TOT OBS	310	283	310	299	310	300	310	310	300	310	299	310	3651
1600	MEAN	29.82	29.79	29.73	29.68	29.70	29.72	29.75	29.75	29.77	29.81	29.82	29.86	29.77
	SD	.203	.223	.219	.182	.127	.115	.093	.101	.126	.147	.176	.184	.172
	TOT OBS	310	283	310	300	310	300	310	309	300	310	300	310	3652
1900	MEAN	29.85	29.81	29.75	29.69	29.71	29.72	29.76	29.75	29.78	29.83	29.84	29.89	29.78
	SD	.197	.220	.214	.175	.120	.111	.091	.097	.122	.145	.172	.180	.170
	TOT OBS	310	283	309	300	310	300	310	310	300	310	300	310	3652
2200	MEAN	29.86	29.83	29.78	29.73	29.75	29.76	29.79	29.79	29.82	29.86	29.86	29.90	29.81
	SD	.193	.220	.212	.173	.119	.111	.090	.096	.123	.144	.171	.181	.166
	TOT OBS	310	283	309	300	310	300	310	310	300	310	300	310	3652
ALL HOURS	MEAN	29.86	29.83	29.77	29.72	29.74	29.75	29.78	29.78	29.81	29.85	29.85	29.90	29.80
	SD	.201	.223	.223	.182	.128	.116	.094	.101	.128	.147	.179	.185	.172
	TOT OBS	2480	2263	2478	2398	2480	2400	2480	2478	2400	2480	2398	2480	29215

PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	GGGGGG
PPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	GGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA AA	RR RR	TT	GG
PPPPPPP	AA AA	RRRRRRR	TT	GG
PPPPPPP	AAAAAAAAA	RRRRRRR	TT	GG GGG
PP	AAAAAAAAA	RR RR	TT	GG GGGG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGG
PP	AA AA	RR RR	TT	GGGGGG

PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				930				930				930				930
CATEGORY B	.4			998	.2			1023	.4	.1		1044	1.1	.1		1044

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				930	.2			930	.1			930	.1			930
CATEGORY B	2.1	.5		1024	1.5	.4		989	1.2	.5	.1	986	1.0	.7	.1	986

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A	.1			4650	.1			7440
CATEGORY B	1.3	.3	.0	5087	1.0	.3	.0	8094



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A	.2			849				849				849	.1			849
CATEGORY B	1.0	.2	.2	904	.7	.2		947	.7	.1		1008	1.3	.5	.1	971

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				849	.1			849				849	.2			849
CATEGORY B	2.8	.5		940	3.0	.9	.2	909	1.3	.3		916	.9	.1	.1	906

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A	.0			4245	.1			6792
CATEGORY B	1.8	.5	.1	4744	1.5	.4	.1	7501

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				930				930				930	.2			930
CATEGORY B	.1			995	.2			1036				1088	1.2	.2	.1	1065

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A	.2			930	.1			930				928				927
CATEGORY B	1.5	.5	.3	1012	3.0	.9	.1	987	1.6	.1		978	.3			970

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A	.1			4648	.1			7435
CATEGORY B	1.4	.3	.1	5130	1.0	.2	.1	8131

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A	.1			900				900	.1			900				900
CATEGORY B	.3	.1	.1	917				942	.1	.1		939	1.2	.4		930

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				900	.2			900				900				900
CATEGORY B	4.1	.5		940	2.5	1.0	.3	928	.7	.1		919	.5	.2		914

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A	.1			4500	.1			7200
CATEGORY B	1.7	.4	.1	4656	1.2	.3	.1	7429

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				930				930				930				930
CATEGORY B				952				969				996				949

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				930				930				930				930
CATEGORY B	.2			960	1.4	.2	.1	988	.5	.1		977	.1	.1	.1	962

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				4650				7440
CATEGORY B	.4	.1	.0	4870	.3	.1	.0	7753

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				900				900				900				900
CATEGORY B				928				980	.1			981	.1			929

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				900	.1			900	.1			900				900
CATEGORY B				947	.9	.5	.2	940	.2	.1		940				931

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A	.0			4500	.0			7200
CATEGORY B	.3	.1	.0	4737	.2	.1	.0	7576

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: +5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				930				930				930				930
CATEGORY B				948				976				999	.1			945

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				930				930				930				930
CATEGORY B	.7	.2	.2	993	.9	.3		998	.5	.3	.3	981	.1	.1		960

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				4650				7440
CATEGORY B	.4	.2	.1	4916	.3	.1	.1	7800

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				930				930				930				930
CATEGORY B				975				1017				1078				996

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				930				930				930				930
CATEGORY B	.3	.1		1000	.4			1001	.1			988	.1	.1	.1	984

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				4650				7440
CATEGORY B	.2	.0		5063	.1	.0	.0	8039

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				900				900				900				900
CATEGORY B	.3	.1		959	.3	.2		993				1044	.1			987

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				900				900				900				900
CATEGORY B	.1			935	.1			940	.2			942				936

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				4500				7200
CATEGORY B	.1			4848	.1	.0		7736



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747900 STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				930				930				930				930
CATEGORY B				962				965				990				983

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				930				930				930				930
CATEGORY B	.3			968	.2			958				953				951

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				4650				7440
CATEGORY B	.1			4852	.1			7730

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747900 STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				900				900				900				900
CATEGORY B	.1			955				984				1024	.2	.2		985

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				900				900				900				900
CATEGORY B	.8	.2		958	.4	.1		934				939	.2			944

TIME (LST)	0400 - 2000				ALL HOURS			
SPEED-KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				4500				7200
CATEGORY B	.3	.1		4840	.2	.1		7723

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				930				930				930				930
CATEGORY B	.2			978				986	.3	.1		1001	.7	.2		1002

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				930				930				930				930
CATEGORY B	1.5	.3		983	1.5	.5		976	.8	.1		962	.2	.1	.1	963

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A				4650				7440
CATEGORY B	1.0	.2		4924	.7	.2	.0	7851

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS  
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 040-220

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: APR 79 - MAR 89  
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A	.0			1099				10959	.0			10959	.0			10959
CATEGORY B	.2	.0	.0	11471	.1	.0		11818	.1	.0		12192	.5	.1	.0	11786

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A	.0			10959	.1			10959	.0			10957	.0			10956
CATEGORY B	1.2	.2	.0	11660	1.3	.4	.1	11548	.6	.1	.0	11481	.3	.1	.0	11407

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE20	GE25	GE30	OBS	GE20	GE25	GE30	OBS
CATEGORY A	.0			54793	.0			87667
CATEGORY B	.7	.2	.0	58667	.5	.1	.0	93363

PPPPPPPP	AAAAAA	PPPPPPPP	TTTTTTTT	HH	HH
PPPPPPPP	AAAAAAA	PPPPPPPP	TTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPP	AA AA	PPPPPPPP	TT	HHHHHHHH	HHHHHHHH
PPPPPPPP	AAAAAAAA	PPPPPPPP	TT	HHHHHHHH	HHHHHHHH
PP	AAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

## PART H

### DEGREE DAY SUMMARIES

#### DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (\*\*\*\*) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

#### HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

#### COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES\* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

\*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE-NC

HEATING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: JAN 42 - MAR 89

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1942	579	585	269	87					18	35	227	558	2358
1943	514	358	336	129	2				3	84	323	547	2296
1944	535	348	279	109	6					77	312	656	2322
1945	552	365	105	46	48					75	252	693	2136
1946	521	380	128	91	9					54	151	405	1739
1947	429	624	528	44	15		****		24	17	370	525	2576
1948	740	484	242	51	1				5	138	181	430	2272
1949	287	270	302	121	4				7	12	299	453	1755
1950	226	331	387	159	3				24	16	411	689	2246
1951	524	420	291	98	2				2	39	403	433	2212
1952	359	400	295	113	10					144	252	550	2123
1953	396	361	234	99					2	39	297	479	1907
1954	480	300	318	47	38					95	355	578	2211
1955	580	399	238	40						82	339	616	2294
1956	625	318	293	126	10				22	43	323	242	2002
1957	501	275	315	75	30				18	132	242	463	2051
1958	726	628	417	101	17				1	114	186	632	2822
1959	597	386	331	83	2					93	293	486	2271
1960	547	516	621	62	27					58	233	668	2732
1961	646	402	237	231	16	2			5	82	259	518	2398
1962	605	370	406	162					17	104	356	659	2679
1963	715	634	205	102	42				19	75	302	784	2878
1964	632	568	327	105	19				3	177	185	445	2461
1965	538	395	361	101		1				129	275	535	2335
1966	749	499	362	120	21	2				96	323	562	2734
1967	494	532	229	47	36	9			16	88	362	422	2235

1968	769	687	312	87	19			82	306	625	2887
1969	658	541	404	75	7			5	86	349	2704
1970	745	447	214	44	10			4	58	342	2338

1971	581	458	403	102	31				9	292	231	2107
1974	242	399	184	92	11			19	155	339	540	1981
1975	437	363	334	145				2	63	268	580	2192

1976	665	248	152	77	15	1			170	446	629	2403
1977	913	506	196	53	9				104	205	490	2476
1978	730	669	331	61	24				74	142	455	2486
1979	666	584	245	55	9			5	104	245	531	2444
1980	555	595	377	93	14			7	127	329	530	2627

1981	715	412	338	34	19			2	128	302	619	2569
1982	713	408	277	166	6			7	133	258	389	2357
1983	676	504	314	203	12			20	75	318	596	2718
1984	648	413	305	154	22			15	14	383	299	2253
1985	723	488	283	80	7			19	32	84	595	2311

1986	656	344	278	79	4		10		64	178	485	2098
1987	603	532	362	169	8				206	286	487	2653
1988	805	581	331	125	19	4		2	229	278	570	2944
1989	464	428	315									1207

MEAN	588	451	304	98	13	0	0	6	89	285	527
SD	145.33	112.60	93.17	44.76	12.18	1.50	1.49	8.16	51.00	75.67	112.92

\*\*\*\*SPL 30YR SUMMATION (1951 -1980)\*\*\*\*

MEAN	595	460	308	92	14	0		5	93	294	526
SD	140.90	121.05	95.93	40.70	12.43	1.75		7.37	40.40	68.61	116.33



OPERATING LOCATION "A"  
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS  
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 747900

STATION NAME: SHAW AFB SC  
LST TO UTC: + 5

PERIOD OF RECORD: JAN 42 - MAR 89

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1942			13	126	253	470	569	462	377	105	33	1	2409
1943	12	1	22	84	299	542	530	550	252	83	11	6	2392
1944	5	20	16	100	350	556	453	457	372	96	4		2429
1945		14	121	143	191	467	501	446	394	60	27		2364
1946	13		40	96	210	408	477	424	290	95	35	4	2092
1947	7		1	100	272	385	****	482	364	156			1767
1948		10	40	111	263	471	533	455	252	24	30	5	2194
1949	11	9	50	49	265	420	547	480	259	160	1	4	2255
1950	25	7	2	78	276	449	425	409	261	110	22		2084
1951		6	22	50	206	454	518	525	319	149	12	12	2273
1952	10		8	59	306	565	542	466	278	49	6		2289
1953			19	73	403	442	534	487	310	116	14		2398
1954	3	1	34	142	151	468	583	583	426	179	5	3	2578
1955		3	59	119	309	318	536	523	331	81	22	6	2307
1956		7	21	81	273	433	530	508	261	96	20	19	2249
1957	9	12	7	135	275	444	507	456	375	29	29		2278
1958				84	261	402	534	505	325	56	40		2207
1959		4	9	121	312	447	474	524	317	152	24		2384
1960			10	121	258	438	495	493	334	143	2		2294
1961		2	28	35	158	379	496	438	374	72	79		2061
1962	3	16	7	62	366	333	461	427	255	133	1		2064
1963			33	102	212	407	456	467	206	56	1		1940
1964			17	90	250	433	392	400	267	44	26	7	1926
1965		13	6	89	332	296	437	4	291	71			1989
1966			7	66	178	298	498	421	259	75	7	6	1815
1967		1	49	121	193	325	436	420	173	61	3	9	1791

1968			19	72	164	364	476	540	328	140	11		2114
1969			5	80	213	447	538	386	260	128	3		2060
1970	4		14	178	319	472	557	499	401	93		7	2544
1971		10	6	76	153	396	492	500	391	198	33	51	2306
1974	14	5	65	96	279	332	427	403	246	31	22		1920
1975	7	4	11	77	256	370	443	525	308	110	43		2154
1976		12	69	108	175	346	511	417	275	58	3		1974
1977			47	131	314	486	634	521	421	72	59	5	2690
1978			6	118	245	448	530	498	356	68	17	18	2304
1979			10	52	187	314	427	434	262	65	24		1775
1980				71	213	347	522	526	408	54	3		2144
1981			12	150	199	533	523	400	265	47			2129
1982			27	30	239	348	427	394	224	74	10	14	1787
1983			3	19	187	331	516	518	296	72	1		1943
1984			14	49	173	388	405	413	210	161	8	8	1829
1985	3	2	30	111	228	361	429	351	220	144	64	2	1945
1986			21	121	250	464	627	411	356	143	56	7	2456
1987			9	43	260	371	509	529	302	2	4		2029
1988			2	46	157	324	475	495	275	19	6		1799
1989		15	13										28

MEAN	2	3	22	90	245	410	498	467	305	91	18	4
SD	5.28	5.51	22.95	35.43	61.09	69.75	55.06	52.47	62.84	46.86	19.21	8.64

\*\*\*\*SPL 30YR SUMMATION (1951 -1980)\*\*\*\*

MEAN	1	3	21	93	248	400	499	476	312	92	18	5
SD	3.71	4.87	19.85	32.68	67.85	66.64	53.10	50.46	64.73	45.30	19.19	10.51

A W S CLIMATIC BRIEF  OCT 89	STATION NAME: SHAW AFB SC LATITUDE/LONGITUDE: 33 58 N 080 28 W HOURLY OBS POR: APR 79 - MAR 89 SUMMARY OF DAY POR: JAN 42 - MAR 89 HOURS SUMMARIZED: 0000 - 2300 LST LST TO UTC: +05												FIELD ELEV: 242 FT STATION MHC: 747900 CALL SIGN: KSSC  SUPERCEDED: NOV 84		
	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
	EXTRM MAX TEMP (F)	81	82	90	95	99	106	105	104	101	99	88	82	106	47
	MEAN MAX TEMP (F)	55.1	58.5	65.9	75.1	82.2	87.8	89.6	88.5	83.6	74.8	66.0	57.3	73.7	47
	MEAN TEMP (F)	45.9	48.6	55.7	64.4	72.2	78.4	80.9	79.8	74.8	64.9	55.8	47.9	64.1	47
	MEAN MIN TEMP (F)	36.4	38.4	45.1	53.3	61.7	68.6	71.7	70.8	65.7	54.5	45.2	38.2	54.2	47
	EXTRM MIN TEMP (F)	3	9	16	29	40	50	57	53	44	30	16	8	3	47
	D/W TEMP GE 100 (F)	0	0	0	0	0	1	1	1	#	0	0	0	3	47
	D/W TEMP GE 90 (F)	0	0	#	1	4	12	16	14	6	1	0	0	54	47
	D/W TEMP LT 33 (F)	11	8	2	#	0	0	0	0	0	#	2	9	32	47
	D/W TEMP LT 20 (F)	1	1	#	0	0	0	0	0	0	0	#	1	3	47
	HEATING DEGREE DAYS	588	451	304	98	13	#	#	#	6	89	285	527	2361	47
	COOLING DEGREE DAYS	2	3	22	90	245	410	498	467	305	91	18	4	2155	47
	MEAN DEWPOINT TEMP (F)	28.8	32.9	39.1	45.8	56.4	63.8	68.1	68.0	62.2	50.7	43.1	33.8	49.5	10
	MEAN WET BULB TEMP (F)	37.6	41.5	47.3	54.1	62.3	68.4	71.8	71.3	66.2	56.2	49.7	41.9	55.8	10
	99.95% WCPA (FT)	650	750	800	750	550	500	400	450	500	500	600	600	650	10
	MEAN REL HUM 07 LST(%)	67.8	69.5	71.1	71.3	77.3	78.8	82.1	85.3	82.6	78.6	75.6	69.5	75.8	10
	MEAN REL HUM 13 LST(%)	50.2	49.1	47.7	43.6	48.2	52.2	55.7	57.7	55.7	50.5	51.0	48.9	50.9	10
	MAX 24HR PRECIP (IN)	3.78	2.70	5.65	2.98	4.90	7.51	3.97	4.91	6.55	3.90	3.10	2.89	7.51	47
	MAX PRECIP (IN)	7.37	6.52	12.73	10.08	10.64	17.83	13.35	14.50	14.84	9.11	8.09	7.38	62.65	47
	MEAN PRECIP (IN)	3.41	3.57	4.23	3.24	3.61	4.89	5.48	4.70	3.64	2.52	2.60	3.21	45.30	47
	MIN PRECIP (IN)	.65	.32	.53	.35	.40	1.15	.66	.74	.31	.03	.33	.27	27.71	47
	D/W PRECIP GE .01 (IN)	10	9	10	8	9	9	12	10	8	6	7	9	107	47
	D/W PRECIP GT .50 (IN)	2	2	3	2	2	3	4	3	2	2	2	2	29	47
	MAX 24HR SNFL (IN)	3.5	13.8	4.1	#	0	0	0	0	0	#	#	4.6	13.8	43
	MAX SNFL (IN)	3.5	16.5	4.2	#	0	0	0	0	0	#	#	4.6	20.3	43
	MEAN SNFL (IN)	.4	1.0	.3	#	0	0	0	0	0	#	#	.2	1.8	43
	D/W SNFL GE .1 (IN)	1	1	1	0	0	0	0	0	0	0	0	#	3	43
	D/W SNFL GE 1.5 (IN)	#	1	#	0	0	0	0	0	0	0	0	#	1	43
	MAX DLY SNO DEPTH (IN)	3	17	5	0	0	0	0	0	0	0	0	3	17	43
	MEAN SFC WND DIR (DEG)	\$030	\$030	\$030	\$270	\$210	\$240	\$210	\$210	\$030	\$030	\$030	\$030	\$030	10
	MEAN WND SPD (KTS)	5.0	5.4	5.5	5.7	4.6	4.0	3.7	3.6	3.8	4.0	4.3	4.5	4.5	10
	MAX WND SPD (KTS)	50	68	58	52	56	68	58	72	47	50	42	47	72	42
	SKY COVER GT 1/2 (%)	52.0	57.4	52.0	45.0	50.0	49.5	53.0	50.1	47.0	44.3	49.0	50.3	50.2	10
	D/W THUNDERSTORMS	1	1	2	4	7	8	12	9	4	1	1	1	51	40
	D/W FOG (VSBY LT 7 MI)	14	12	14	12	16	17	18	21	20	16	14	13	187	40
LEGEND: ANN = ANNUAL D/W = MEAN NUMBER OF DAYS WITH & = BASED ON LESS THAN FULL MONTHS ** = INSTANTANEOUS PEAK WINDS * = DATA NOT AVAILABLE POR/YOR = PERIOD/YEARS OF RECORD WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE # = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE \$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION															

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PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY															
MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR	
CIG LT 3000 FT AND/OR VSBY LT 3 MI	LST														
	00 - 02	22.2	21.9	18.0	9.1	10.3	7.4	6.9	8.8	15.2	13.0	18.1	18.9	14.1	10
	03 - 05	25.3	24.5	22.6	13.9	15.7	16.2	15.3	16.7	21.6	20.4	26.0	21.8	20.0	10
	06 - 08	27.5	27.8	27.2	17.0	23.2	23.2	28.6	35.6	34.9	29.2	30.6	25.7	27.5	10
	09 - 11	26.8	26.1	21.4	12.1	13.0	12.2	13.7	17.5	21.3	20.5	24.7	24.3	19.5	10
	12 - 14	25.1	21.3	17.4	8.9	5.6	5.0	6.5	7.5	14.3	12.7	20.4	20.8	13.8	10
	15 - 17	22.0	18.3	14.2	7.0	3.0	3.6	4.3	5.7	10.9	10.8	14.9	17.5	11.0	10
	18 - 20	20.2	17.2	13.0	6.3	4.1	4.4	3.9	5.6	9.0	9.8	15.3	16.7	10.5	10
	21 - 23	19.4	20.1	11.8	7.4	6.9	6.2	4.7	7.0	10.9	10.3	16.0	16.1	11.4	10
	ALL	23.5	22.2	18.2	10.2	10.2	9.8	10.5	13.1	17.3	15.8	20.7	20.2	16.0	10
CIG LT 1500 FT AND/OR VSBY LT 3 MI	00 - 02	18.9	17.8	14.0	6.6	7.5	5.8	4.8	6.2	13.0	10.5	14.3	16.5	11.3	10
	03 - 05	21.2	21.2	17.6	11.8	12.8	14.3	13.2	13.8	19.7	17.0	21.8	19.5	17.0	10
	06 - 08	22.7	23.6	22.0	13.4	20.1	19.3	26.5	33.9	32.0	25.7	25.9	23.1	24.0	10
	09 - 11	22.6	21.4	17.2	8.2	7.7	5.8	8.3	12.2	16.8	15.8	20.2	19.5	14.6	10
	12 - 14	19.8	16.5	11.5	3.6	3.3	1.4	2.5	2.6	7.8	7.7	11.7	14.3	8.6	10
	15 - 17	16.5	13.8	7.6	3.3	2.0	1.9	2.3	3.2	6.1	6.6	9.8	11.8	7.1	10
	18 - 20	14.8	13.0	7.5	4.1	2.8	2.8	1.8	3.2	6.2	6.8	10.6	11.9	7.1	10
	21 - 23	15.2	15.9	9.0	5.1	4.3	4.2	2.8	3.8	7.9	6.6	12.3	12.4	8.3	10
	ALL	19.0	17.9	13.3	7.0	7.6	6.9	7.8	9.9	13.7	12.1	15.8	16.1	12.2	10
CIG LT 1000 FT AND/OR VSBY LT 2 MI	00 - 02	16.3	13.8	9.1	5.0	5.1	4.2	3.9	4.5	10.1	7.5	12.2	12.2	8.7	10
	03 - 05	19.0	17.4	13.8	8.3	9.8	10.1	8.8	10.8	15.3	12.9	17.1	15.6	13.2	10
	06 - 08	19.1	19.7	17.4	10.4	14.0	12.7	14.7	19.1	22.9	18.7	20.1	19.0	17.3	10
	09 - 11	18.3	16.1	12.2	4.8	3.9	2.2	3.5	5.1	10.3	11.1	15.7	15.8	9.9	10
	12 - 14	15.2	12.0	7.1	2.1	1.5	.6	1.1	1.4	3.1	4.7	8.0	10.5	5.6	10
	15 - 17	13.2	10.5	4.6	1.8	.9	.8	1.1	1.8	3.4	4.2	7.6	8.3	4.8	10
	18 - 20	12.9	10.6	5.1	2.0	1.4	1.0	.9	1.4	3.8	4.5	8.6	8.6	5.1	10
	21 - 23	13.7	12.2	6.1	4.3	2.5	2.8	2.0	1.8	5.6	5.4	10.7	9.7	6.4	10
	ALL	16.0	14.0	9.4	4.8	4.9	4.3	4.5	5.7	9.3	8.6	12.5	12.5	8.9	10
CIG LT 200 FT AND/OR VSBY LT 1/2 MI	00 - 02	4.4	1.5	.9	.4	.4	.1	.0	.1	.9	1.1	1.7	2.3	1.1	10
	03 - 05	3.1	2.2	1.9	1.0	2.0	.9	1.5	2.0	3.8	3.1	3.7	4.7	2.5	10
	06 - 08	2.9	4.1	3.8	1.4	2.4	1.8	2.3	3.7	3.4	4.3	4.3	5.7	3.3	10
	09 - 11	2.3	1.5	.9	.1	.0	.0	.0	.0	.0	.8	1.3	2.0	.7	10
	12 - 14	.5	.6	.0	.0	.0	.0	.0	.0	.0	.0	.1	.5	.1	10
	15 - 17	.4	.2	.0	.1	.1	.0	.1	.0	.0	.0	.0	.2	.1	10
	18 - 20	.9	.8	.2	.0	.1	.0	.0	.0	.0	.0	.2	.9	.3	10
	21 - 23	2.6	1.3	.1	.0	.1	.0	.0	.0	.0	.3	1.2	.8	.5	10
	ALL	2.1	1.5	1.0	.4	.6	.3	.5	.7	1.0	1.2	1.6	2.1	1.1	10
HURRICANES/TROPICAL STORMS OBSERVED FOR THE PERIOD : 1900 - 1986															
HR/TS	JAN	FEB	MAR	APR	MAY	JUN									
60NM	0/0	0/0	0/0	0/0	0/0	0/2									
120NM	0/0	0/0	0/0	0/0	0/1	0/7									
240NM	0/0	0/1	0/0	0/0	0/3	2/15									
HR/TS	JUL	AUG	SEP	OCT	NOV	DEC	ANN								
60NM	2/3	2/6	1/6	0/5	0/1	0/0	5/23								
120NM	4/7	4/11	5/12	1/8	0/1	0/0	14/47								
240NM	6/10	16/23	15/27	7/20	2/2	0/0	48/101								

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